

# Converting Colors

XYZ(74.2746, 90.2008, 66.9284)

Have a look what the booklet for  
XYZ(74.2746, 90.2008, 66.9284)  
contains.

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# **Color**

**XYZ(74.2719, 90.1961,  
66.9211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FFC6
RGB	216, 255, 198
RGB Percent	85%, 100%, 78%
CMY	0.1529, 0.0000, 0.2235
CMYK	0.15, 0.00, 0.22, 0.00
HSL	101°, 100%, 89%
HSV	101°, 22%, 100%
XYZ	74.2719, 90.1961, 66.9211
YIQ	236.8410, -4.9470, -25.9950

# Conversions

## Conversions Part 2

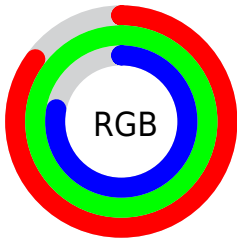
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 255, 237
Decimal	14221254
CIELab	96.08, -22.56, 23.19
CIELCh	96, 32.353, 134.204
Yxy	90.1961, 0.3210, 0.3898
Android (android.graphics.Color)	4292411334 (0xFFD8FFC6)
YUV	236.8410, -19.1486, -18.2776
Hunter-Lab	94.9716, -26.6057, 24.7019

# Details

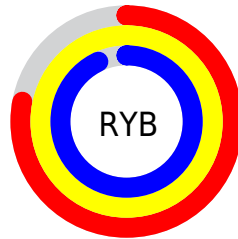
The XYZ color **74.2719, 90.1961, 66.9211** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1700, 65.6139, 103.4160**, and the grayscale version is **80.5188, 84.7120, 92.2514**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9261, 49.9789, 33.9281** is the 20% darker color. If you saturate the color by 10%, you get **66.6896, 86.5990, 52.4834**, and if you desaturate by 10%, it is **82.8980, 94.2741, 83.9951**.

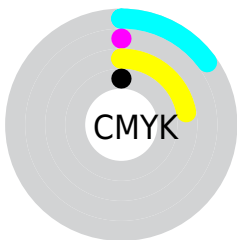
# Distribution



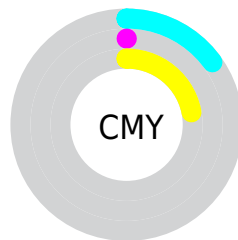
- Red (85%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2719, 90.1961, 66.9211 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 74.2719, 90.1961, 66.9211 by changing the saturation by 10% instead.




 74.2719, 90.1961,  
66.9211

 74.2719, 90.1961,  
66.9211


464.4471,  
528.6685, 468.1577

 55.3087, 68.1433,  
48.5593


124.2746,  
147.6108, 116.4469

 39.8837, 50.0143,  
33.9069


156.0448,  
183.7414, 148.4480

 27.6317, 35.4248,  
22.5453


192.8147,  
225.3334, 185.8327

 18.1873, 23.9903,  
14.0560

234.9496,  
272.7713, 229.0194

 11.1850, 15.3264,  
8.0204

282.8150,  
326.4393, 278.4267

 6.2596, 9.0488,  
4.0201

336.7761,

 3.0457, 4.7730,

386.7220, 334.4732

1.6364

397.1984,  
454.0036, 397.5773

■ 1.1780, 2.1147,  
0.3166

■ 0.0889, 0.6729,  
0.0000

■ 74.2719, 90.1961,  
66.9211

■ 74.2719, 90.1961,  
66.9211

■ 66.6896, 86.5990,  
52.4834

■ 82.8980, 94.2741,  
83.9951

■ 60.1075, 83.4632,  
40.5467

■ 92.6055, 98.8496,  
103.8234

■ 54.4815, 80.7690,  
30.9696

■ 95.0500, 100.0000,  
108.9000

■ 49.7629, 78.4949,  
23.5951

■ 45.8987, 76.6171,  
18.2473

■ 42.8290, 75.1095,  
14.7231

■ 40.4844, 73.9414,  
12.7772

■ 39.1127, 73.2484,  
12.0769

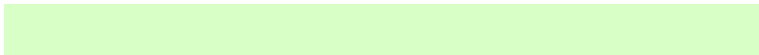
# Harmonies

## Analogous

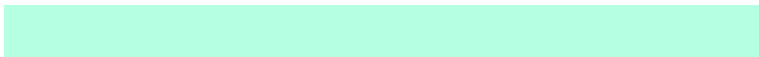
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5714, 90.1961, 57.7298



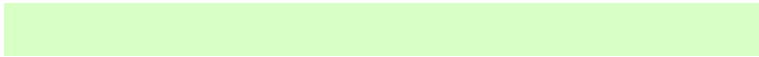
74.2719, 90.1961, 66.9211



70.2003, 90.1961, 85.3831

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.2719, 90.1961, 66.9211



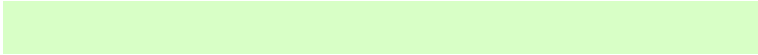
81.1250, 90.1961, 153.7311



103.5336, 90.1961, 86.5948

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.2719, 90.1961, 66.9211



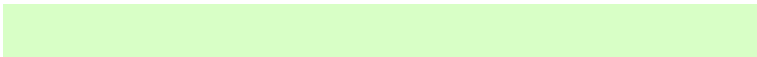
73.1700, 65.6139, 103.4160

# Split Complementary

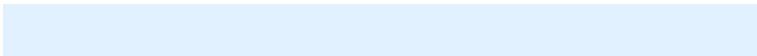
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3932, 90.1961, 112.2573



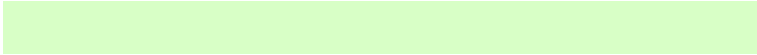
74.2719, 90.1961, 66.9211



90.0248, 90.1961, 154.2098

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.2719, 90.1961, 66.9211



73.9648, 90.1961, 136.7714



98.3069, 90.1961, 137.9837

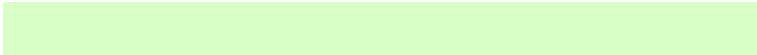


98.6782, 90.1961, 67.6744

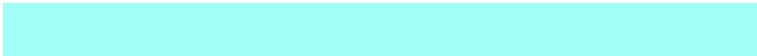


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.2719, 90.1961, 66.9211



69.6728, 90.1961, 101.8689



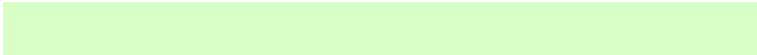
98.3069, 90.1961, 137.9837



104.0791, 90.1961, 94.6363

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.2725, 90.1964, 66.9225



87.9566, 96.6599, 94.2571



81.7032, 85.8771, 65.6971



18.7009, 20.6301, 19.9186



0.0000, 0.0000, 0.0000

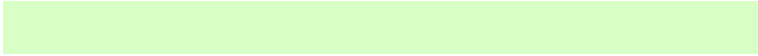


20.3446, 21.4041, 23.3091

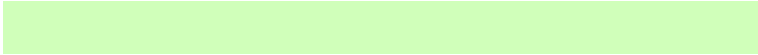


# Same Dimension

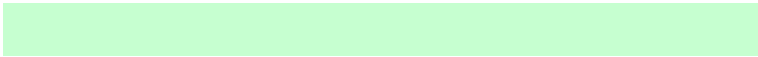
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.2725, 90.1964, 66.9225



70.6208, 88.4657, 59.8915



70.4901, 88.1024, 73.2566



18.3113, 20.4464, 19.1258



20.5727, 38.3437, 6.3168



2.1105, 3.7888, 0.6201



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.1700, 65.6139, 103.4160



69.3293, 59.7682, 102.4901



77.8474, 68.2143, 95.0904



18.2020, 17.9959, 22.7642



18.7695, 8.5865, 50.1027

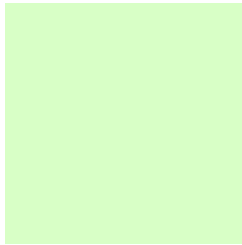


1.9407, 0.8944, 4.8836



# Previews

## White Background



This preview shows how the XYZ color 74.2719, 90.1961, 66.9211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

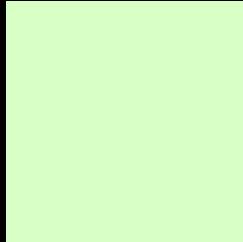
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2719, 90.1961, 66.9211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

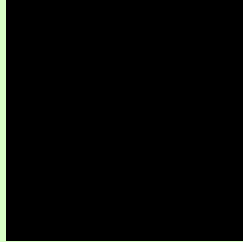
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

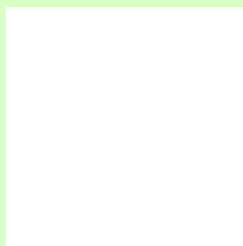
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.2719, 90.1961, 66.9211

## Background



This preview shows how black text looks on a background with the XYZ color 74.2719, 90.1961, 66.9211.



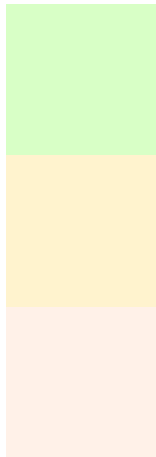
This preview shows how white text looks on a background with the XYZ color 74.2719, 90.1961,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.2719, 90.1961, 66.9211

### Protanopia

84.4312, 89.8174, 71.2790

### Deuteranopia

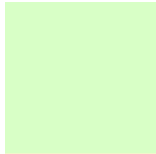
87.2608, 89.9968, 89.1159



## Tritanopia

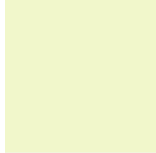
84.9634, 90.1870, 107.5375

# Trichromacy



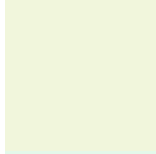
## Original Color

74.2719, 90.1961, 66.9211



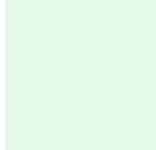
## Protanomaly

80.3159, 89.5341, 69.5486



## Deuteranomaly

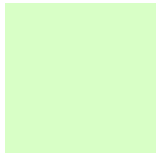
82.1497, 89.7796, 80.7096



## Tritanomaly

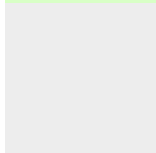
80.7219, 90.1859, 90.9950

# Monochromacy



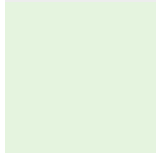
## Original Color

74.2719, 90.1961, 66.9211



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

77.9831, 86.6871, 82.4342

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2719, 90.1961, 66.9211 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2719, 90.1961, 66.9211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 198) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 255, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2719, 90.1961, 66.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
255, 198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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