

# Converting Colors

XYZ(75.9821, 90.9962, 70.6861)

Have a look what the booklet for  
XYZ(75.9821, 90.9962, 70.6861)  
contains.

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# Color

**XYZ(75.8725, 90.9397,  
70.6810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFCC
RGB	219, 255, 204
RGB Percent	86%, 100%, 80%
CMY	0.1412, 0.0000, 0.2000
CMYK	0.14, 0.00, 0.20, 0.00
HSL	102°, 100%, 90%
HSV	102°, 20%, 100%
XYZ	75.8725, 90.9397, 70.6810
YIQ	238.4220, -5.0850, -23.4930

# Conversions

## Conversions Part 2

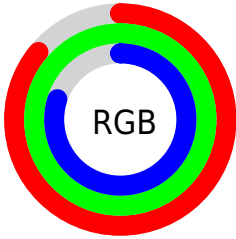
Format	Color
<a href="#">RYB</a>	<a href="#">204, 255, 240</a>
Decimal	<a href="#">14417868</a>
CIELab	<a href="#">96.39, -20.60, 20.60</a>
CIElCh	<a href="#">96, 29.127, 135.001</a>
Yxy	<a href="#">90.9397, 0.3195, 0.3829</a>
Android (android.graphics.Color)	<a href="#">4292607948 (0xFFDBFFCC)</a>
YUV	<a href="#">238.4220, -16.9700, -17.0331</a>
Hunter-Lab	<a href="#">95.3623, -24.8652, 22.8088</a>

# Details

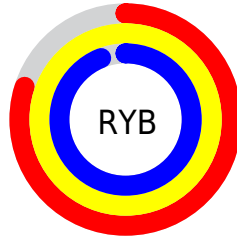
The XYZ color **75.8725, 90.9397, 70.6810** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5790, 68.9323, 103.9296**, and the grayscale version is **81.7248, 85.9809, 93.6332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0089, 50.4827, 36.4369** is the 20% darker color. If you saturate the color by 10%, you get **67.9340, 87.1722, 55.6298**, and if you desaturate by 10%, it is **84.8986, 95.2100, 88.3997**.

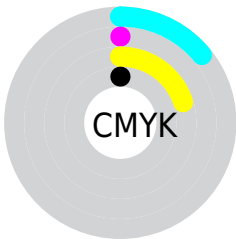
# Distribution



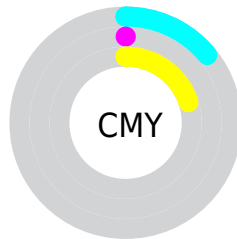
- Red (86%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8725, 90.9397, 70.6810 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 75.8725, 90.9397, 70.6810 by changing the saturation by 10% instead.




 75.8725, 90.9397,  
70.6810

 75.8725, 90.9397,  
70.6810


469.8622,  
531.0829, 481.7911

 56.6247, 68.7603,  
51.6017


126.5280,  
148.6430, 121.8696

 40.9429, 50.5165,  
36.3076


158.6663,  
184.9357, 154.8160

 28.4620, 35.8240,  
24.3803

195.8322,  
226.7015, 193.2218

 18.8164, 24.2983,  
15.4012

238.3910,  
274.3250, 237.5055

 11.6409, 15.5550,  
8.9517

286.7080,  
328.1905, 288.0858

 6.5701, 9.2098,  
4.6133

341.1487,

 3.2387, 4.8783,

388.6824, 345.3811

1.9675

402.0783,  
456.1851, 409.8100

■ 1.2812, 2.1760,  
0.5352

■ 0.1691, 0.7069,  
0.0000

■ 75.8725, 90.9397,  
70.6810

■ 75.8725, 90.9397,  
70.6810

■ 67.9340, 87.1722,  
55.6298

■ 84.8986, 95.2100,  
88.3997

■ 61.0385, 83.8873,  
43.1128

95.0500, 100.0000,  
108.9000

■ 55.1407, 81.0648,  
32.9916

■ 50.1910, 78.6824,  
25.1128

■ 46.1353, 76.7159,  
19.3055

■ 42.9131, 75.1385,  
15.3737

■ 40.4551, 73.9195,  
13.0841

■ 38.6616, 73.0158,  
12.0559

■ 38.6615, 73.0158,  
12.0558

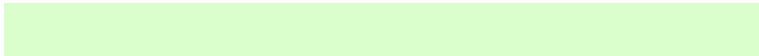
# Harmonies

## Analogous

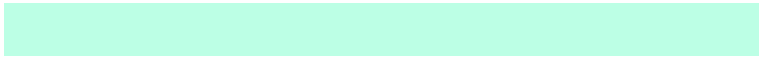
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4623, 90.9397, 61.8460



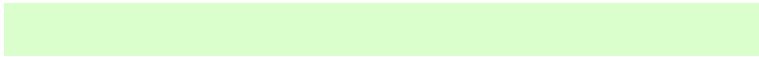
75.8725, 90.9397, 70.6810



72.2329, 90.9397, 87.9052

# Triad

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



75.8725, 90.9397, 70.6810



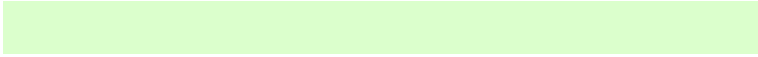
82.4628, 90.9397, 148.7154



102.3873, 90.9397, 87.9040

# Complementary

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



75.8725, 90.9397, 70.6810



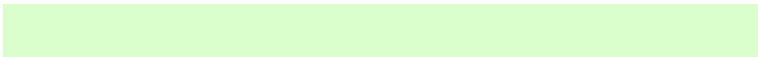
75.5790, 68.9323, 103.9296

# Split Complementary

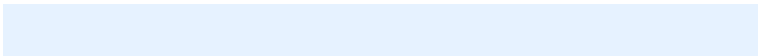
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.3874, 90.9397, 111.0297



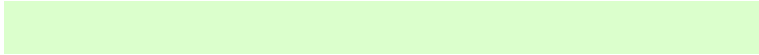
75.8725, 90.9397, 70.6810



90.5342, 90.9397, 148.7149

# Square

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



75.8725, 90.9397, 70.6810



75.8728, 90.9397, 134.0680



97.9359, 90.9397, 134.0668

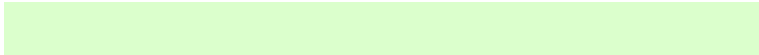


97.9356, 90.9397, 70.6802

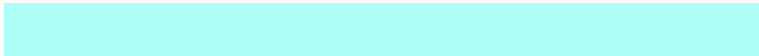


# Rectangle

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



75.8725, 90.9397, 70.6810



71.8150, 90.9397, 102.9616



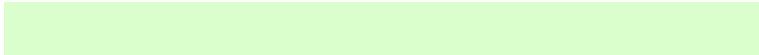
97.9359, 90.9397, 134.0668



102.9166, 90.9397, 95.1762

# Sweetspot

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



75.8731, 90.9400, 70.6824



88.8213, 97.0623, 96.2581



83.2114, 87.7638, 69.6825



18.8716, 20.7093, 20.3219



0.0000, 0.0000, 0.0000

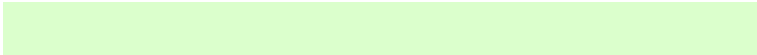


20.3446, 21.4041, 23.3091

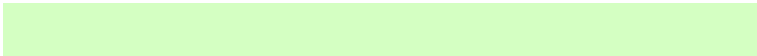


# Same Dimension

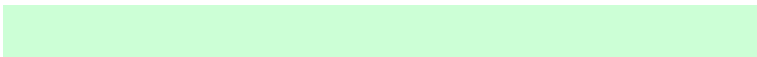
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8731, 90.9400, 70.6824



72.5687, 89.3733, 64.3472



72.8258, 89.2230, 77.1370



18.2735, 20.4269, 19.1240



20.3302, 38.2187, 6.3054



2.0830, 3.7746, 0.6188



# Inverse Universe

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



75.5790, 68.9323, 103.9296



72.2226, 63.7192, 103.1002



79.2844, 71.0272, 95.7574



18.2418, 18.0164, 22.7660



19.4235, 8.9237, 50.1333

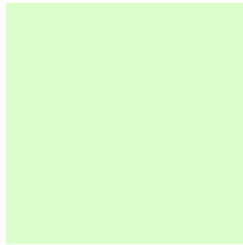


2.0005, 0.9252, 4.8864



# Previews

## White Background



This preview shows how the XYZ color 75.8725, 90.9397, 70.6810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

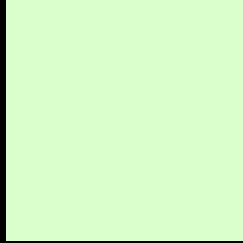
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8725, 90.9397, 70.6810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

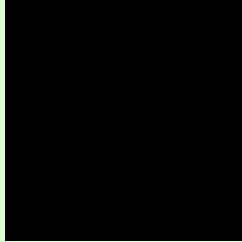
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

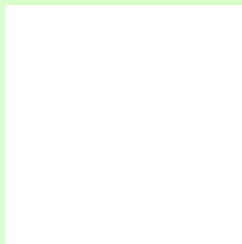
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8725, 90.9397, 70.6810

## Background



This preview shows how black text looks on a background with the XYZ color 75.8725, 90.9397, 70.6810.



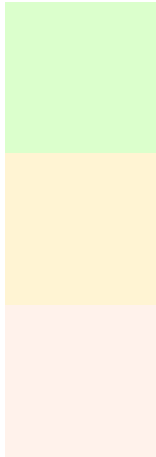
This preview shows how white text looks on a background with the XYZ color 75.8725, 90.9397,

70.6810.

# 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

75.8725, 90.9397, 70.6810

### Protanopia

85.3486, 90.6645, 74.6297

### Deuteranopia

87.9875, 90.7624, 91.4787



## Tritanopia

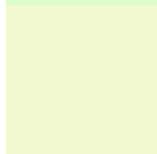
85.6275, 90.5293, 107.5686

# Trichromacy



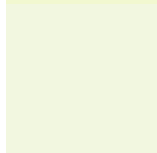
## Original Color

75.8725, 90.9397, 70.6810



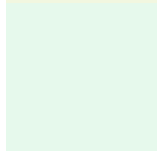
## Protanomaly

81.5705, 90.5661, 72.8563



## Deuteranomaly

83.3333, 90.7806, 83.6513



## Tritanomaly

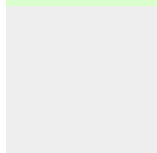
81.6491, 90.6305, 92.5469

# Monochromacy



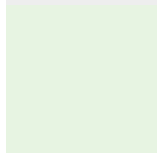
## Original Color

75.8725, 90.9397, 70.6810



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.0331, 87.1813, 84.6137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8725, 90.9397, 70.6810 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(219, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 204)  
}
```

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(219, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8725, 90.9397, 70.6810 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(219, 255, 204) }
```



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

```
.border{ border-color:rgb(219, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8725, 90.9397, 70.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 204) }
```

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

```
.background{ background-color: rgb(219,  
255, 204) }
```

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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