

# Converting Colors

XYZ(77.6766, 91.8294, 72.5862)

Have a look what the booklet for  
XYZ(77.6766, 91.8294, 72.5862)  
contains.

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# Color

**XYZ(77.7630, 91.8723,  
72.6661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FFCF
RGB	224, 255, 207
RGB Percent	88%, 100%, 81%
CMY	0.1216, 0.0000, 0.1882
CMYK	0.12, 0.00, 0.19, 0.00
HSL	99°, 100%, 91%
HSV	99°, 19%, 100%
XYZ	77.7630, 91.8723, 72.6661
YIQ	240.2590, -3.0680, -21.5000

# Conversions

## Conversions Part 2

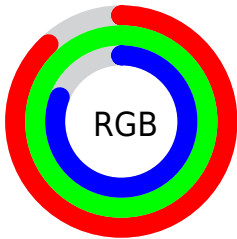
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 238
Decimal	14745551
CIE <sub>Lab</sub>	96.77, -18.43, 19.65
CIE <sub>LCh</sub>	97, 26.937, 133.159
Yxy	91.8723, 0.3209, 0.3792
Android (android.graphics.Color)	4292935631 (0xFFE0FFCF)
YUV	240.2590, -16.3967, -14.2591
Hunter-Lab	95.8500, -22.9208, 22.1459

# Details

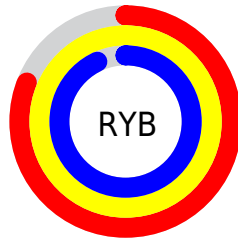
The XYZ color **77.7630, 91.8723, 72.6661** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6236, 70.0240, 104.1379**, and the grayscale version is **83.1530, 87.4834, 95.2694**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0923, 51.0129, 37.7650** is the 20% darker color. If you saturate the color by 10%, you get **70.0333, 88.2191, 57.3235**, and if you desaturate by 10%, it is **86.4919, 95.9824, 90.6863**.

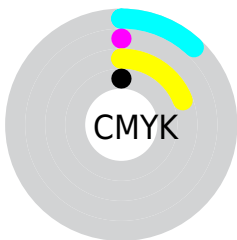
# Distribution



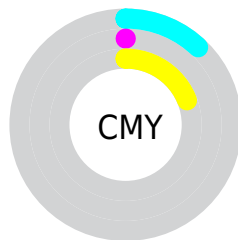
- Red (88%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7630, 91.8723, 72.6661 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 77.7630, 91.8723, 72.6661 by changing the saturation by 10% instead.



77.7630, 91.8723,  
72.6661

77.7630, 91.8723,  
72.6661

476.2137,  
534.1027, 488.8965

58.1814, 69.5346,  
53.2128

129.1831,  
149.9364, 124.7196

42.1983, 51.1472,  
37.5838

161.7523,  
186.4315, 158.1569

29.4484, 36.3258,  
25.3605

199.3815,  
228.4146, 197.0926

19.5663, 24.6859,  
16.1244

242.4360,  
276.2700, 241.9453

12.1866, 15.8432,  
9.4569

291.2810,  
330.3821, 293.1335

6.9440, 9.4133,  
4.9395

346.2821,

3.4731, 5.0117,

391.1354, 351.0757

2.1537

407.8046,  
458.9141, 416.1905

■ 1.4086, 2.2541,  
0.6475

■ 0.2624, 0.7493,  
0.0000

■ 77.7630, 91.8723,  
72.6661

■ 77.7630, 91.8723,  
72.6661

■ 70.0333, 88.2191,  
57.3235

■ 86.4919, 95.9824,  
90.6863

■ 63.2628, 85.0050,  
44.5268

95.0500, 100.0000,  
108.9000

■ 57.4114, 82.2124,  
34.1389

■ 52.4352, 79.8218,  
26.0087

■ 48.2862, 77.8123,  
19.9677

■ 44.9109, 76.1605,  
15.8237

■ 42.2479, 74.8397,  
13.3492

■ 40.2152, 73.8148,  
12.2143

■ 40.0068, 73.7093,  
12.1187

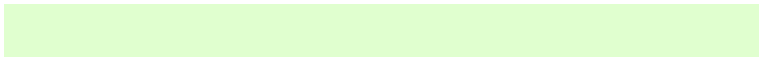
# Harmonies

## Analogous

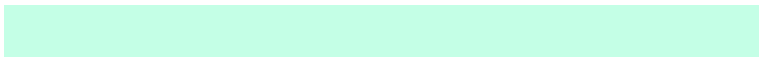
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0583, 91.8723, 64.7636



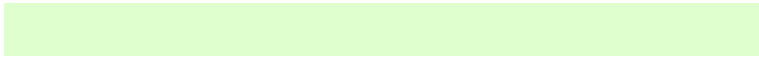
77.7630, 91.8723, 72.6661



74.1507, 91.8723, 88.4647

# Triad

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



77.7630, 91.8723, 72.6661



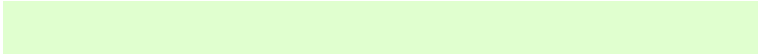
83.1831, 91.8723, 145.3382



102.2350, 91.8723, 90.8632

# Complementary

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



77.7630, 91.8723, 72.6661



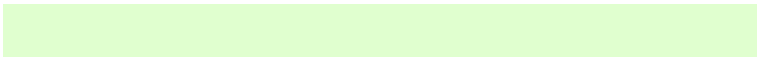
75.6236, 70.0240, 104.1379

# Split Complementary

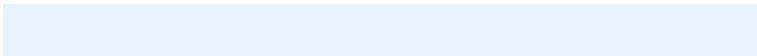
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9671, 91.8723, 112.5689



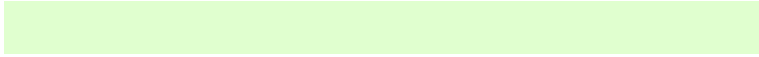
77.7630, 91.8723, 72.6661



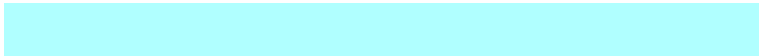
90.6688, 91.8723, 146.2268

# Square

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



77.7630, 91.8723, 72.6661



77.1541, 91.8723, 131.2541



97.6336, 91.8723, 133.5309

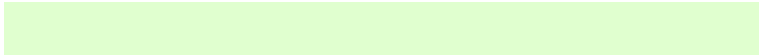


98.3458, 91.8723, 74.2031

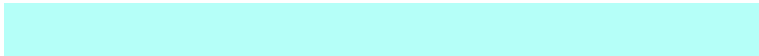


# Rectangle

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



77.7630, 91.8723, 72.6661



73.6135, 91.8723, 102.3423



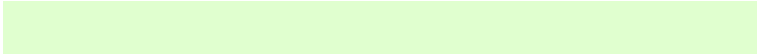
97.6336, 91.8723, 133.5309



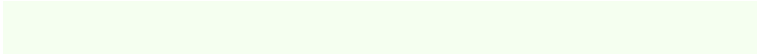
102.6345, 91.8723, 97.7594

# Sweetspot

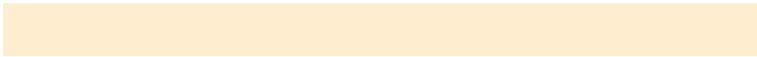
The Sweet Spot groups the original color and five complimentary colors.



77.7636, 91.8726, 72.6675



89.1413, 97.2273, 96.2731



82.9031, 86.5658, 71.3723



18.9471, 20.7483, 20.3254



0.0000, 0.0000, 0.0000

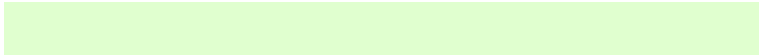


20.3446, 21.4041, 23.3091

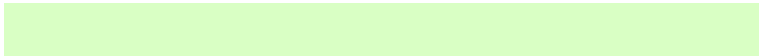


# Same Dimension

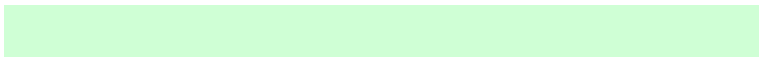
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7636, 91.8726, 72.6675



74.4152, 90.2918, 65.9396



73.5541, 89.6102, 76.6384



18.3785, 20.4810, 19.1289



21.0507, 38.5901, 6.3392



2.1631, 3.8159, 0.6225



# Inverse Universe

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



75.6236, 70.0240, 104.1379



71.8757, 64.3890, 103.2478



80.5899, 72.7013, 99.0812



18.1319, 17.9597, 22.7609



17.6739, 8.0217, 50.0514

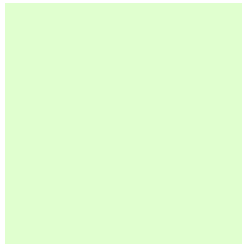


1.8396, 0.8423, 4.8789



# Previews

## White Background



This preview shows how the XYZ color 77.7630, 91.8723, 72.6661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

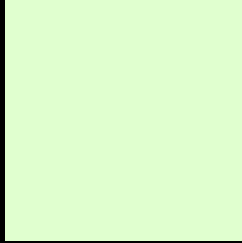
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7630, 91.8723, 72.6661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

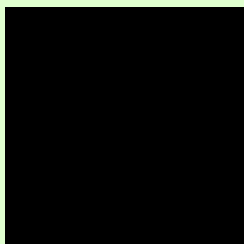
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

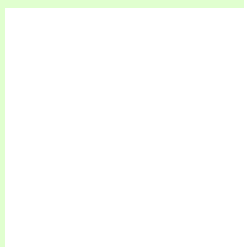
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.7630, 91.8723, 72.6661**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7630, 91.8723, 72.6661.



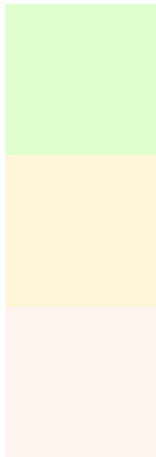
This preview shows how white text looks on a background with the XYZ color 77.7630, 91.8723,

72.6661.

# 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

77.7630, 91.8723, 72.6661

### Protanopia

86.4168, 91.5746, 78.7666

### Deuteranopia

88.5767, 91.4756, 93.1088



## Tritanopia

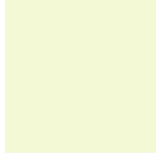
86.9409, 91.6568, 107.7170

# Trichromacy



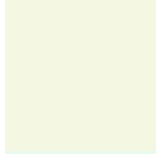
## Original Color

77.7630, 91.8723, 72.6661



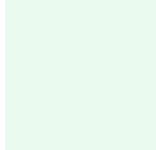
## Protanomaly

83.1941, 91.7886, 76.2830



## Deuteranomaly

84.2965, 91.2456, 85.1208



## Tritanomaly

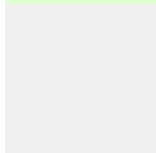
83.2400, 91.4168, 94.1469

# Monochromacy



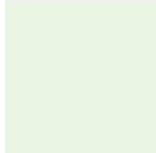
## Original Color

77.7630, 91.8723, 72.6661



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.5877, 88.3987, 86.2140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7630, 91.8723, 72.6661 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(224, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 207)  
}
```

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(224, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7630, 91.8723, 72.6661 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(224, 255, 207) }
```



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

```
.border{ border-color:rgb(224, 255, 207) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7630, 91.8723, 72.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 207) }
```

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

```
.background{ background-color: rgb(224,  
255, 207) }
```

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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