

# Converting Colors

XYZ(72.7155, 83.8123, 77.0464)

Have a look what the booklet for  
XYZ(72.7155, 83.8123, 77.0464)  
contains.

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# Color

**XYZ(72.7642, 83.6580,  
77.2783)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8F3D8
RGB	216, 243, 216
RGB Percent	85%, 95%, 85%
CMY	0.1529, 0.0470, 0.1529
CMYK	0.11, 0.00, 0.11, 0.05
HSL	120°, 53%, 90%
HSV	120°, 11%, 95%
XYZ	72.7642, 83.6580, 77.2783
YIQ	231.8490, -7.4250, -14.1210

# Conversions

## Conversions Part 2

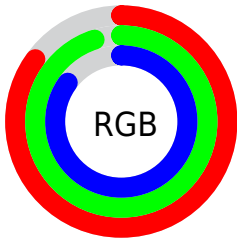
Format	Color
R <sub>Y</sub> B	216, 243, 243
Decimal	14218200
CIE Lab	93.30, -13.73, 10.05
CIE LCh	93, 17.014, 143.790
Yxy	83.6580, 0.3114, 0.3580
Android (android.graphics.Color)	4292408280 (0xFFD8F3D8)
YUV	231.8490, -7.8136, -13.8996
Hunter-Lab	91.4647, -18.0588, 13.9314

# Details

The XYZ color **72.7642, 83.6580, 77.2783** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.6987, 74.6395, 95.1097**, and the grayscale version is **76.6514, 80.6432, 87.8204**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9013, 45.6909, 40.4871** is the 20% darker color. If you saturate the color by 10%, you get **63.1962, 79.0645, 61.6262**, and if you desaturate by 10%, it is **83.8632, 88.9919, 95.4307**.

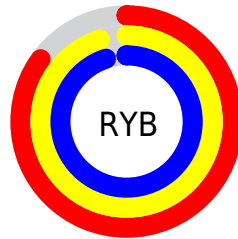
# Distribution



Red (85%)

Green (95%)

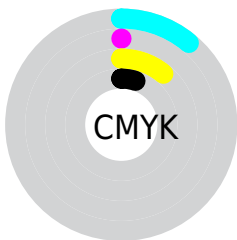
Blue (85%)



Red (85%)

Yellow (95%)

Blue (95%)

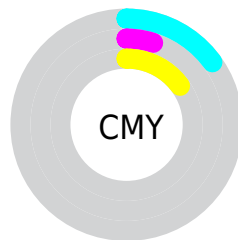


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7642, 83.6580, 77.2783 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 72.7642, 83.6580, 77.2783 by changing the saturation by 10% instead.



72.7642, 83.6580,  
77.2783

72.7642, 83.6580,  
77.2783

459.3136,  
507.1769, 505.1752

54.0709, 62.7331,  
56.9684

122.1473,  
138.4967, 131.3089

38.8892, 45.6253,  
40.5707

153.5679,  
173.1792, 165.8666

26.8539, 31.9503,  
27.6666

189.9615,  
213.2165, 206.0107

17.5995, 21.3235,  
17.8376

231.6936,  
258.9928, 252.1596

10.7608, 13.3607,  
10.6653

279.1295,  
310.8926, 304.7320

5.9723, 7.6774,  
5.7309

332.6345,

2.8688, 3.8892,

369.3003, 364.1464

2.6160

392.5741,  
434.6003, 430.8213

■ 1.0847, 1.6118,  
0.9007

■ 0.0123, 0.3655,  
0.0000

■ 72.7642, 83.6580,  
77.2783

■ 72.7642, 83.6580,  
77.2783

■ 63.1962, 79.0645,  
61.6262

■ 83.8632, 88.9919,  
95.4307

■ 55.0855, 75.1685,  
48.3598

■ 91.3422, 92.5844,  
107.6641

■ 48.3628, 71.9392,  
37.3635

■ 42.9503, 69.3393,  
28.5103

■ 38.7626, 67.3278,  
21.6605

■ 35.7042, 65.8587,  
16.6578

■ 33.6655, 64.8794,  
13.3231

■ 32.5153, 64.3269,  
11.4416

■ 32.0522, 64.1045,  
10.6842

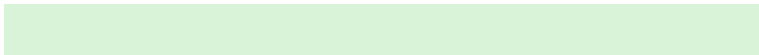
# Harmonies

## Analogous

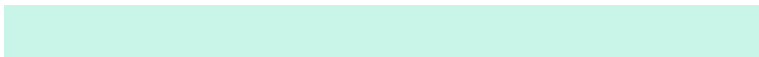
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0897, 83.6580, 70.3278



72.7642, 83.6580, 77.2783



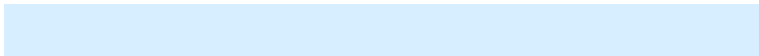
71.2541, 83.6580, 88.4467

# Triad

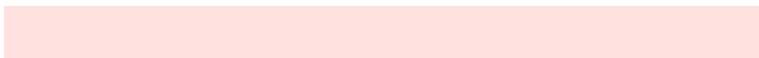
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7642, 83.6580, 77.2783



78.5862, 83.6580, 117.8834



87.6604, 83.6580, 81.4951

# Complementary

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



72.7642, 83.6580, 77.2783



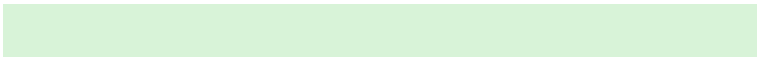
77.6987, 74.6395, 95.1097

# 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.



88.3896, 83.6580, 93.7841



72.7642, 83.6580, 77.2783



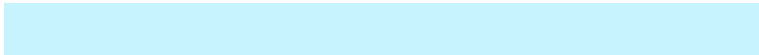
83.0403, 83.6580, 115.5809

# Square

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



72.7642, 83.6580, 77.2783



74.5332, 83.6580, 112.4812



86.6697, 83.6580, 106.4550

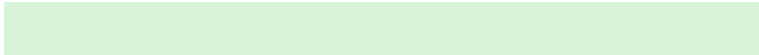


84.7128, 83.6580, 72.5977

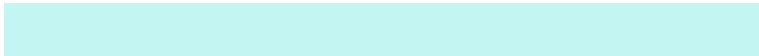


# Rectangle

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



72.7642, 83.6580, 77.2783



71.4381, 83.6580, 97.0978



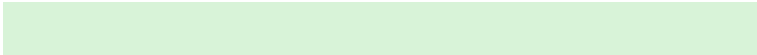
86.6697, 83.6580, 106.4550



88.1776, 83.6580, 85.3340

# Sweetspot

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



72.7665, 83.6616, 77.2801



91.0839, 98.0949, 102.4128



81.4111, 88.1180, 77.6844



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

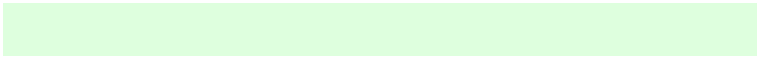


# Same Dimension

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



72.7665, 83.6616, 77.2801



79.0031, 92.2918, 82.6524



74.5849, 84.3889, 86.8555



16.2823, 18.4721, 17.5049



17.5905, 35.1811, 5.8636



1.5460, 3.0921, 0.5154



# Inverse Universe

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



77.6987, 74.6395, 95.1097



85.3714, 80.6429, 105.6734



75.7336, 73.8535, 84.7614



17.2137, 16.7683, 20.8719



29.1648, 14.0093, 47.7035

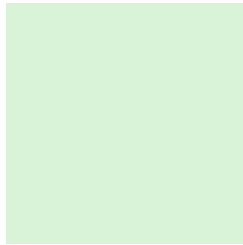


2.5633, 1.2313, 4.1927



# Previews

## White Background



This preview shows how the XYZ color 72.7642, 83.6580, 77.2783 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 72.7642, 83.6580, 77.2783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

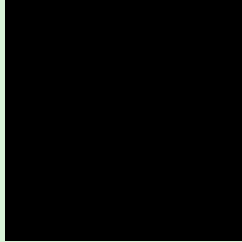
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

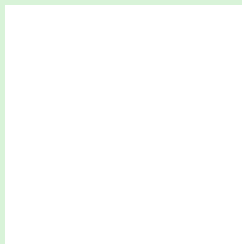
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7642, 83.6580, 77.2783**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7642, 83.6580, 77.2783.



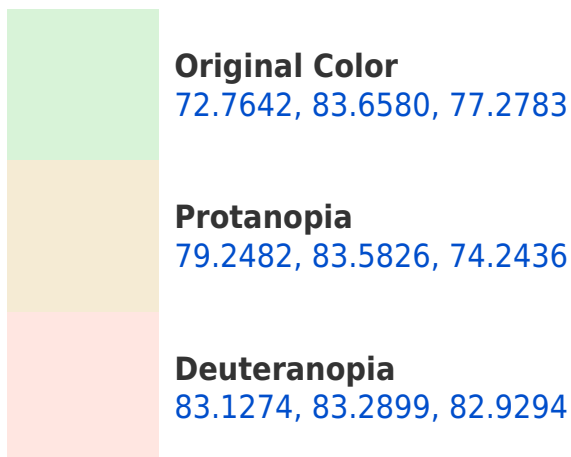
This preview shows how white text looks on a background with the XYZ color 72.7642, 83.6580,

77.2783.

# 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

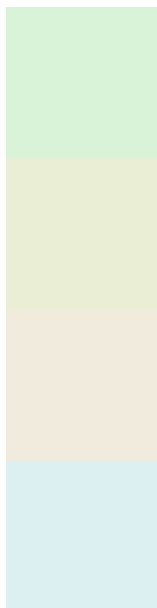




## **Tritanopia**

78.7656, 83.4763, 106.5689

# Trichromacy



## Original Color

72.7642, 83.6580, 77.2783

## Protanomaly

76.5165, 83.4456, 75.0246

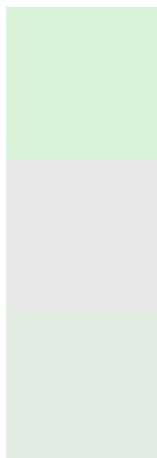
## Deuteranomaly

79.1688, 83.3914, 81.0307

## Tritanomaly

76.2589, 83.2995, 95.2782

# Monochromacy



## Original Color

72.7642, 83.6580, 77.2783

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.0870, 81.6506, 83.7542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7642, 83.6580, 77.2783 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, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7642, 83.6580, 77.2783 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, 243, 216) }
```



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

```
.border{ border-color:rgb(216, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7642, 83.6580, 77.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 216) }
```

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

```
.background{ background-color: rgb(216,  
243, 216) }
```

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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