

# Converting Colors

XYZ(75.4012, 83.4615, 64.9728)

Have a look what the booklet for  
XYZ(75.4012, 83.4615, 64.9728)  
contains.

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# **Color**

**XYZ(75.5366, 83.5971,  
64.9780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEFC5
RGB	236, 239, 197
RGB Percent	93%, 94%, 77%
CMY	0.0745, 0.0627, 0.2274
CMYK	0.01, 0.00, 0.18, 0.06
HSL	64°, 57%, 85%
HSV	64°, 18%, 94%
XYZ	75.5366, 83.5971, 64.9780
YIQ	233.3150, 11.6940, -13.6980

# Conversions

## Conversions Part 2

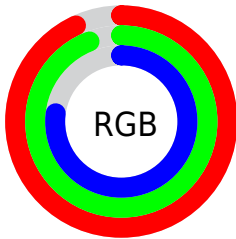
Format	Color
<a href="#">RYB</a>	<a href="#">197, 239, 200</a>
Decimal	<a href="#">15527877</a>
CIELab	<a href="#">93.28, -7.88, 20.02</a>
CIELCh	<a href="#">93, 21.516, 111.474</a>
Yxy	<a href="#">83.5971, 0.3370, 0.3730</a>
Android (android.graphics.Color)	<a href="#">4293717957 (0xFFECEFC5)</a>
YUV	<a href="#">233.3150, -17.9033, 2.3547</a>
Hunter-Lab	<a href="#">91.4314, -12.5363, 21.8661</a>

# Details

The XYZ color **75.5366, 83.5971, 64.9780** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3690, 58.4461, 89.8181**, and the grayscale version is **77.8158, 81.8683, 89.1546**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **40.7138, 45.5534, 32.6334** is the 20% darker color. If you saturate the color by 10%, you get **72.4481, 82.2992, 51.6536**, and if you desaturate by 10%, it is **79.0693, 85.0789, 80.5931**.

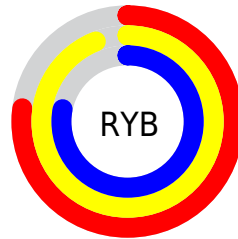
# Distribution



Red (93%)

Green (94%)

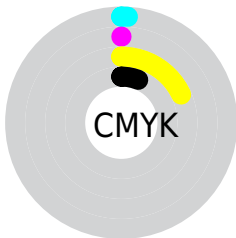
Blue (77%)



Red (77%)

Yellow (94%)

Blue (78%)

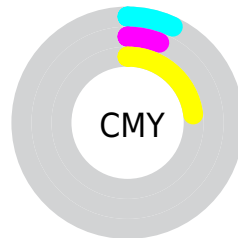


Cyan (1%)

Magenta (0%)

Yellow (18%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5366, 83.5971, 64.9780 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 75.5366, 83.5971, 64.9780 by changing the saturation by 10% instead.



75.5366, 83.5971,  
64.9780

75.5366, 83.5971,  
64.9780

468.7287,  
506.9743, 461.0170

56.3483, 62.6828,  
46.9920

126.0555,  
138.4114, 113.6312

40.7204, 45.5847,  
32.6750

158.1168,  
173.0803, 145.1355

28.2873, 31.9182,  
21.6085

195.1999,  
213.1029, 181.9830

18.6839, 21.2990,  
13.3740

237.6701,  
258.8635, 224.5922

11.5448, 13.3428,  
7.5528

285.8927,  
310.7465, 273.3816

6.5045, 7.6650,  
3.7265

340.2331,

3.1978, 3.8813,

369.1364, 328.7699

1.4766

401.0566,  
434.4176, 391.1755

■ 1.2592, 1.6074,  
0.2004

■ 0.1523, 0.3626,  
0.0000

■ 75.5366, 83.5971,  
64.9780

■ 75.5366, 83.5971,  
64.9780

■ 72.4481, 82.2992,  
51.6536

■ 79.0693, 85.0789,  
80.5931

■ 69.7766, 81.1660,  
40.5069

■ 83.0585, 86.7411,  
98.5938

■ 67.5023, 80.1922,  
31.4236

■ 85.2386, 87.6803,  
107.0392

■ 65.6011, 79.3684,  
24.2769

■ 85.8255, 87.9829,  
107.0666

64.0463, 78.6836,  
18.9258

86.4180, 88.2883,  
107.0944

62.8073, 78.1259,  
15.2103

87.0159, 88.5966,  
107.1224

61.8486, 77.6808,  
12.9423

87.6194, 88.9077,  
107.1506

61.1224, 77.3294,  
11.8711

88.2284, 89.2216,  
107.1791

60.9635, 77.2512,  
11.6978

88.8430, 89.5385,  
107.2079

# Harmonies

## Analogous

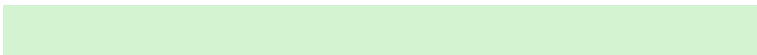
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0818, 83.5971, 63.5349



75.5366, 83.5971, 64.9780



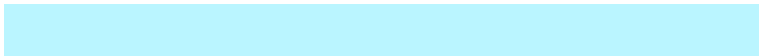
71.2387, 83.5971, 72.9482

# Triad

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



75.5366, 83.5971, 64.9780



72.8655, 83.5971, 117.6643



90.7188, 83.5971, 95.7249

# Complementary

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



75.5366, 83.5971, 64.9780



59.3690, 58.4461, 89.8181

# Split Complementary

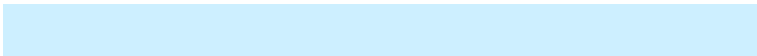
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2832, 83.5971, 111.8612



75.5366, 83.5971, 64.9780



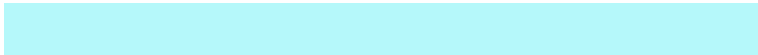
77.8532, 83.5971, 125.4772

# Square

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



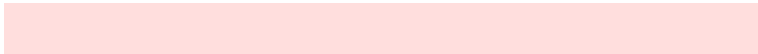
75.5366, 83.5971, 64.9780



69.7483, 83.5971, 102.9232



83.5098, 83.5971, 123.2361



90.0263, 83.5971, 80.0774

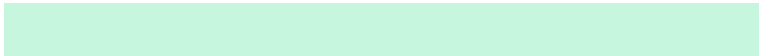


# Rectangle

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



75.5366, 83.5971, 64.9780



69.5727, 83.5971, 81.4700



83.5098, 83.5971, 123.2361



90.2347, 83.5971, 101.2951

# Sweetspot

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



75.5388, 83.6008, 64.9798



92.7298, 99.0332, 98.4293



66.2854, 63.6001, 61.6070



19.7805, 21.1690, 20.7651



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.



75.5388, 83.6008, 64.9798



86.2001, 96.2988, 69.5806



69.0307, 80.2458, 64.6752



17.0048, 18.3981, 16.8047



33.7355, 42.7128, 6.4664



2.8396, 3.5704, 0.5395



# Inverse Universe

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



59.3690, 58.4461, 89.8181



64.2963, 62.2226, 103.2291



65.3068, 61.5072, 90.0960



15.0020, 15.2827, 19.8808



8.7778, 3.5305, 45.3467

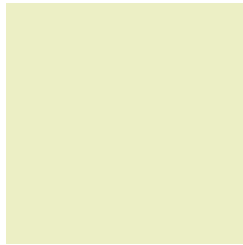


0.7665, 0.3124, 3.7741



# Previews

## White Background



This preview shows how the XYZ color 75.5366, 83.5971, 64.9780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

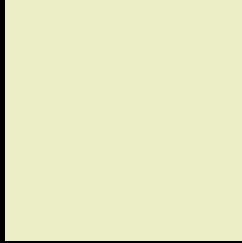
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5366, 83.5971, 64.9780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

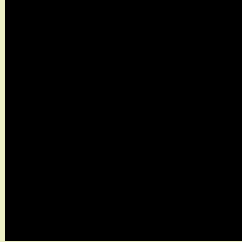
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

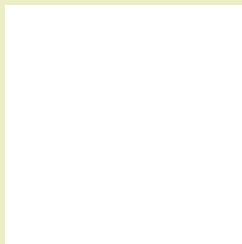
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.5366, 83.5971, 64.9780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5366, 83.5971, 64.9780.



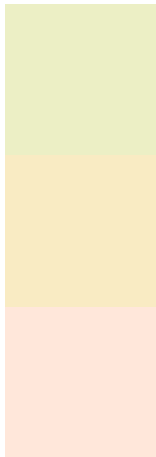
This preview shows how white text looks on a background with the XYZ color 75.5366, 83.5971,

64.9780.

# 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

75.5366, 83.5971, 64.9780

### Protanopia

78.6256, 83.4965, 63.6022

### Deuteranopia

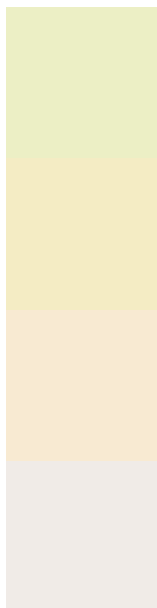
82.4708, 83.4738, 78.0950



## Tritanopia

83.0741, 83.6700, 102.2139

# Trichromacy



## Original Color

75.5366, 83.5971, 64.9780

## Protanomaly

77.2675, 83.2095, 64.2132

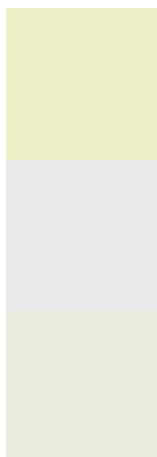
## Deuteranomaly

79.7671, 83.4552, 72.8771

## Tritanomaly

80.0673, 83.7114, 87.5392

# Monochromacy



## Original Color

75.5366, 83.5971, 64.9780

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.5583, 82.0764, 79.5174

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5366, 83.5971, 64.9780 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(236, 239, 197)` looks like.

```
.text, #text, p{  
    color:rgb(236, 239, 197)  
}
```

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(236, 239, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5366, 83.5971, 64.9780 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(236, 239, 197) }
```



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

```
.border{ border-color:rgb(236, 239, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 239, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 239, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 239, 197); box-shadow:4px 4px 4px 4px rgb(236, 239, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5366, 83.5971, 64.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 197) }
```

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

```
.background{ background-color: rgb(236,  
239, 197) }
```

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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