

Converting Colors

XYZ(68.3033, 75.4338, 84.0493)

Have a look what the booklet for
XYZ(68.3033, 75.4338, 84.0493)
contains.

XYZ(68.5949, 75.7504, 84.4047)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.5949, 75.7504,
84.4047)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E6E4
RGB	209, 230, 228
RGB Percent	82%, 90%, 89%
CMY	0.1804, 0.0980, 0.1059
CMYK	0.09, 0.00, 0.01, 0.10
HSL	174°, 30%, 86%
HSV	174°, 9%, 90%
XYZ	68.5949, 75.7504, 84.4047
YIQ	223.4930, -11.8740, -5.0740

Conversions

Conversions Part 2

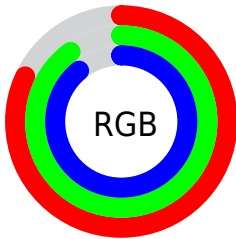
Format	Color
R _Y B	209, 220, 230
Decimal	13756132
CIE Lab	89.74, -7.30, -1.41
CIE LCh	90, 7.433, 190.917
Yxy	75.7504, 0.2999, 0.3311
Android (android.graphics.Color)	4291946212 (0xFFD1E6E4)
YUV	223.4930, 2.2220, -12.7104
Hunter-Lab	87.0347, -11.6290, 3.4259

Details

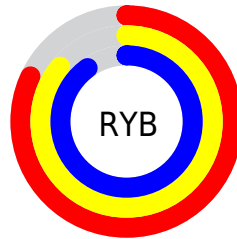
The XYZ color **68.5949, 75.7504, 84.4047** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1942, 67.1291, 71.0473**, and the grayscale version is **70.4824, 74.1530, 80.7526**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1992, 40.5471, 45.4536** is the 20% darker color. If you saturate the color by 10%, you get **62.2493, 72.5162, 82.5292**, and if you desaturate by 10%, it is **75.8881, 79.4769, 86.3479**.

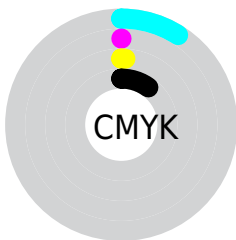
Distribution



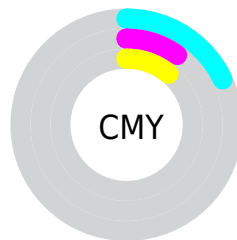
- Red (82%)
- Green (90%)
- Blue (89%)



- Red (82%)
- Yellow (86%)
- Blue (90%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5949, 75.7504, 84.4047 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 68.5949, 75.7504, 84.4047 by changing the saturation by 10% instead.

■ 68.5949, 75.7504,
84.4047

■ 68.5949, 75.7504,
84.4047

444.9447,
480.4928, 529.7493

■ 50.6573, 56.2279,
62.8023

116.2400,
127.3740, 141.4079

■ 36.1559, 40.3856,
45.2413

146.6783,
160.2439, 177.6458

■ 24.7253, 27.8394,
31.3032

182.0141,
198.3317, 219.5993

■ 16.0001, 18.2046,
20.5694

222.6129,
242.0217, 267.6869

■ 9.6151, 11.0970,
12.6215

268.8400,
291.6985, 322.3272

■ 5.2048, 6.1321,
7.0408

321.0607,

■ 2.4039, 2.9256,

347.7463, 383.9386

3.4088

379.6405,
410.5496, 452.9398

■ 0.8471, 1.0930,
1.3070

■ 0.0000, 0.0000,
0.0675

■ 68.5949, 75.7504,
84.4047

■ 68.5949, 75.7504,
84.4047

■ 62.2493, 72.5162,
82.5292

■ 75.8881, 79.4769,
86.3479

■ 56.8048, 69.7440,
80.7144


■ 84.1592, 83.7049,
88.3555


■ 52.2206, 67.4148,
78.9599


■ 84.4736, 83.8306,
90.0111


■ 48.4502, 65.5047,
77.2634


■ 84.7919, 83.9579,
91.6873


 45.4427, 63.9875,
75.6226


 85.1141, 84.0868,
93.3841


 43.1415, 62.8340,
74.0346


 85.4403, 84.2173,
95.1017

 41.4820, 62.0108,
72.4963

 85.7704, 84.3493,
96.8400

 40.3880, 61.4787,
71.0042

 86.1045, 84.4830,
98.5992

 39.7398, 61.1760,
69.5525

 86.4425, 84.6182,
100.3794

Harmonies

Analogous

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



68.7207, 75.7504, 79.2250



68.5949, 75.7504, 84.4047



69.3694, 75.7504, 89.2646

Triad

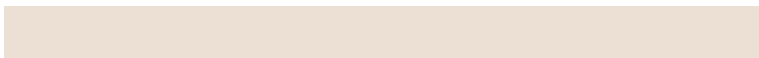
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5949, 75.7504, 84.4047



74.3303, 75.7504, 90.3396



73.1562, 75.7504, 73.3083

Complementary

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



68.5949, 75.7504, 84.4047



67.1942, 67.1291, 71.0473

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.



74.6932, 75.7504, 76.0469



68.5949, 75.7504, 84.4047



75.3789, 75.7504, 85.8215

Square

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



68.5949, 75.7504, 84.4047



72.6677, 75.7504, 92.7865



75.5128, 75.7504, 80.5834



71.3334, 75.7504, 72.9652

Rectangle

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



68.5949, 75.7504, 84.4047



70.2999, 75.7504, 91.6132



75.5128, 75.7504, 80.5834



73.7242, 75.7504, 73.9736

Sweetspot

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



68.5971, 75.7536, 84.4064



92.1740, 98.5309, 108.1533



66.7003, 75.0640, 71.2961



19.5686, 21.0077, 23.1068



0.0000, 0.0000, 0.0000



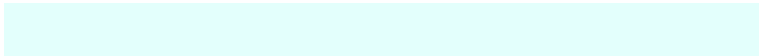
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5971, 75.7536, 84.4064



85.0449, 94.8916, 106.1986



66.5948, 71.3014, 85.1193



14.7451, 16.3115, 18.1882



22.4948, 34.6300, 39.4356



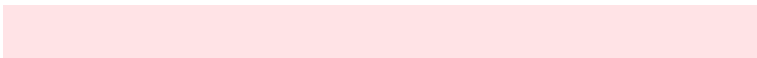
1.6796, 2.5660, 3.0055

Inverse Universe

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



67.1942, 67.1291, 71.0473



82.9258, 81.8630, 86.0182



69.0605, 71.2612, 70.4377



14.4326, 14.3902, 15.2123



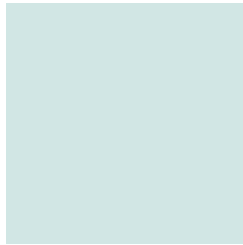
18.5764, 9.5648, 1.3986



1.3919, 0.7145, 0.2043

Previews

White Background



This preview shows how the XYZ color 68.5949, 75.7504, 84.4047 looks on a white background.

Color Contrast Check

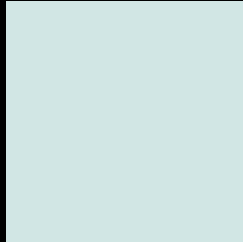
Large Text (above 18pt) WCAG AA × Fail

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 68.5949, 75.7504, 84.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

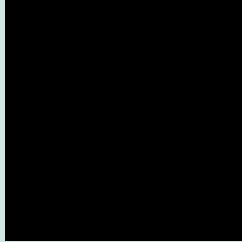
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

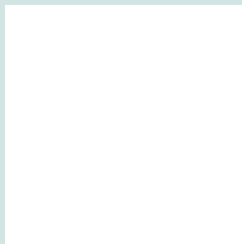
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5949, 75.7504, 84.4047

Background



This preview shows how black text looks on a background with the XYZ color 68.5949, 75.7504, 84.4047.

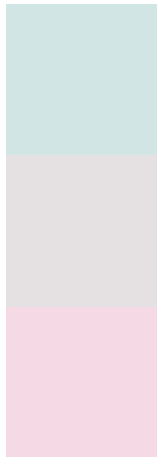


This preview shows how white text looks on a background with the XYZ color 68.5949, 75.7504,

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

68.5949, 75.7504, 84.4047

Protanopia

72.5594, 75.4056, 81.9646

Deuteranopia

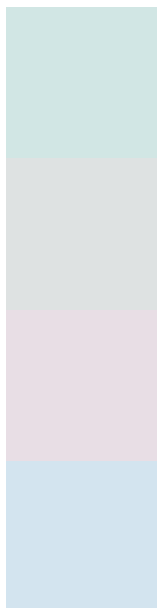
77.0105, 75.2685, 85.3323



Tritanopia

71.1019, 75.5278, 97.2171

Trichromacy



Original Color

68.5949, 75.7504, 84.4047

Protanomaly

71.0480, 75.4133, 82.7631

Deuteranomaly

73.5428, 75.0555, 84.7398

Tritanomaly

70.1874, 75.5677, 92.5481

Monochromacy



Original Color

68.5949, 75.7504, 84.4047

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.7004, 74.7344, 81.9857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5949, 75.7504, 84.4047 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(209, 230, 228) looks like.

```
.text, #text, p{  
    color:rgb(209, 230, 228)  
}
```

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(209, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 230, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.5949, 75.7504, 84.4047 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(209, 230, 228) }
```


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

```
.border{ border-color:rgb(209, 230, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(209, 230,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5949, 75.7504, 84.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 230, 228) }
```

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

```
.background{ background-color: rgb(209,  
230, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor