

Converting Colors

XYZ(66.0777, 72.1542, 84.4030)

Have a look what the booklet for
XYZ(66.0777, 72.1542, 84.4030)
contains.

XYZ(65.9753, 71.9476, 84.5387)	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(65.9753, 71.9476,
84.5387)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE0E5
RGB	205, 224, 229
RGB Percent	80%, 88%, 90%
CMY	0.1961, 0.1215, 0.1020
CMYK	0.10, 0.02, 0.00, 0.10
HSL	192°, 32%, 85%
HSV	192°, 10%, 90%
XYZ	65.9753, 71.9476, 84.5387
YIQ	218.8890, -12.9290, -2.4730

Conversions

Conversions Part 2

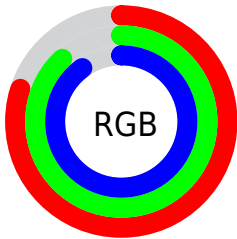
Format	Color
R _Y B	205, 216, 229
Decimal	13492453
CIE Lab	87.94, -5.32, -4.61
CIE LCh	88, 7.041, 220.882
Yxy	71.9476, 0.2966, 0.3234
Android (android.graphics.Color)	4291682533 (0xFFCDE0E5)
YUV	218.8890, 4.9847, -12.1807
Hunter-Lab	84.8219, -9.5994, 0.2833

Details

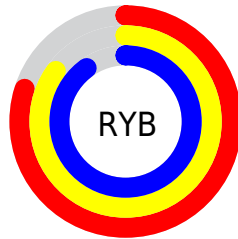
The XYZ color **65.9753, 71.9476, 84.5387** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3794, 67.1584, 67.2230**, and the grayscale version is **67.2297, 70.7308, 77.0259**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5904, 38.0112, 45.5582** is the 20% darker color. If you saturate the color by 10%, you get **58.8520, 66.4017, 83.8448**, and if you desaturate by 10%, it is **74.0633, 78.0480, 85.2910**.

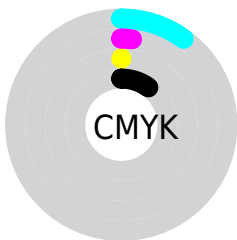
Distribution



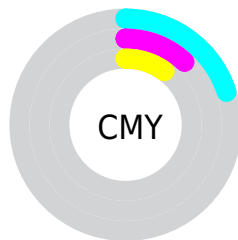
- Red (80%)
- Green (88%)
- Blue (90%)



- Red (80%)
- Yellow (85%)
- Blue (90%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9753, 71.9476, 84.5387 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 65.9753, 71.9476, 84.5387 by changing the saturation by 10% instead.

■ 65.9753, 71.9476,
84.5387

■ 65.9753, 71.9476,
84.5387

435.7786,
467.3592, 530.2051

■ 48.5200, 53.1159,
62.9123

112.5088,
121.9820, 141.5969

■ 34.4518, 37.8953,
45.3297

142.3177,
153.9535, 177.8659

■ 23.4054, 25.9014,
31.3724

176.9752,
191.0737, 219.8527

■ 15.0155, 16.7499,
20.6217

216.8466,
233.7270, 267.9761

■ 8.9167, 10.0563,
12.6593

262.2973,
282.2978, 322.6545

■ 4.7435, 5.4363,
7.0664

313.6926,

■ 2.1308, 2.5055,

337.1705, 384.3064

3.4246

371.3979,
398.7295, 453.3505

■ 0.7059, 0.8794,
1.3153

■ 0.0000, 0.0000,
0.0743

■ 65.9753, 71.9476,
84.5387

■ 65.9753, 71.9476,
84.5387

■ 58.8520, 66.4017,
83.8448

■ 74.0633, 78.0480,
85.2910

■ 52.6468, 61.3801,
83.2026

■ 83.1475, 84.7138,
86.0989

■ 47.3186, 56.8631,
82.6115

■ 86.0472, 88.2456,
86.6277

■ 42.8206, 52.8261,
82.0694

■ 87.4561, 91.0634,
87.0974

■ 39.1015, 49.2422,
81.5737

■ 88.9021, 93.9553,
87.5794

■ 36.1040, 46.0815,
81.1216

■ 90.3854, 96.9219,
88.0738

■ 33.7628, 43.3098,
80.7100

■ 91.1431, 98.4372,
88.3264

■ 32.0000, 40.8864,
80.3351

■ 30.7333, 38.8378,
80.0064

Harmonies

Analogous

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



65.2666, 71.9476, 80.0948



65.9753, 71.9476, 84.5387



67.3335, 71.9476, 87.3907

Triad

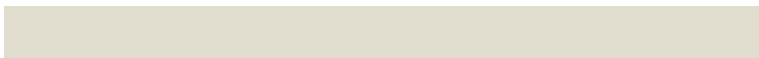
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9753, 71.9476, 84.5387



71.4757, 71.9476, 81.4019



67.7772, 71.9476, 69.6166

Complementary

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



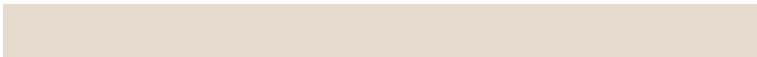
65.9753, 71.9476, 84.5387



66.3794, 67.1584, 67.2230

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.



69.4454, 71.9476, 69.9344



65.9753, 71.9476, 84.5387



71.5992, 71.9476, 76.6085

Square

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



65.9753, 71.9476, 84.5387



70.5159, 71.9476, 85.5292



70.8507, 71.9476, 72.4495



66.2955, 71.9476, 71.5630

Rectangle

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



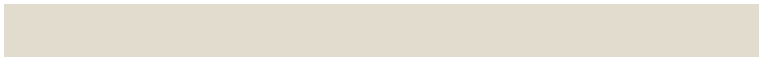
65.9753, 71.9476, 84.5387



68.4337, 71.9476, 87.9385



70.8507, 71.9476, 72.4495



68.3344, 71.9476, 69.4643

Sweetspot

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



65.9774, 71.9506, 84.5403



91.7853, 97.5659, 108.6022



64.8052, 73.6621, 71.6459



19.4633, 20.7463, 23.2286



0.0000, 0.0000, 0.0000



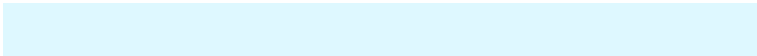
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9774, 71.9506, 84.5403



81.7260, 89.9214, 107.6569



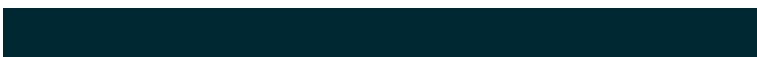
62.9143, 65.8245, 83.5193



14.5393, 15.8001, 18.4277



17.6611, 22.3842, 45.7729



1.3693, 1.7825, 3.4039

Inverse Universe

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



67.6005, 65.7038, 79.6438



84.2800, 80.2063, 99.9265



69.4018, 73.2033, 68.2305



14.8598, 14.5611, 17.4622



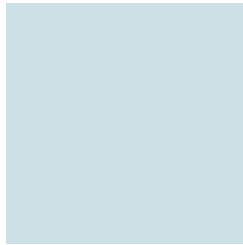
23.3080, 11.4574, 26.3146



1.7548, 0.8596, 2.1152

Previews

White Background



This preview shows how the XYZ color 65.9753, 71.9476, 84.5387 looks on a white background.

Color Contrast Check

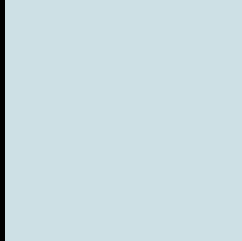
Large Text (above 18pt) WCAG AA × Fail

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 65.9753, 71.9476, 84.5387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

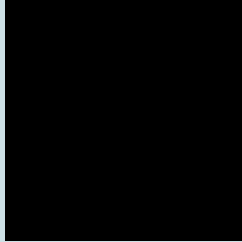
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

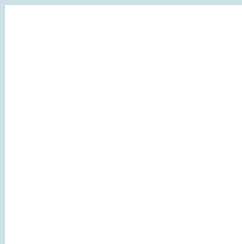
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9753, 71.9476, 84.5387

Background



This preview shows how black text looks on a background with the XYZ color 65.9753, 71.9476, 84.5387.

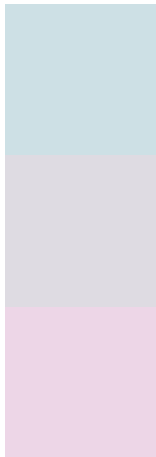


This preview shows how white text looks on a background with the XYZ color 65.9753, 71.9476,

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

65.9753, 71.9476, 84.5387

Protanopia

69.1832, 71.6836, 82.1415

Deuteranopia

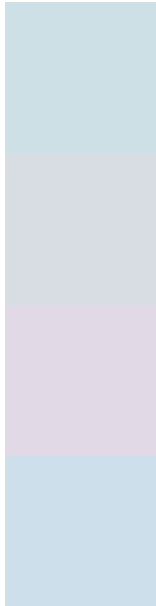
73.3954, 71.8672, 85.6047



Tritanopia

67.5816, 71.7992, 92.7348

Trichromacy



Original Color

65.9753, 71.9476, 84.5387

Protanomaly

68.0405, 71.8579, 82.9569

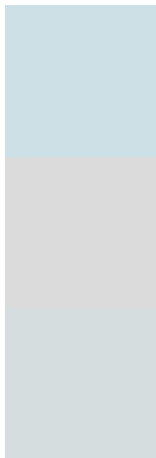
Deuteranomaly

70.4057, 71.8635, 85.0232

Tritanomaly

66.9816, 71.9533, 89.7149

Monochromacy



Original Color

65.9753, 71.9476, 84.5387

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.9073, 71.3368, 80.0550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9753, 71.9476, 84.5387 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(205, 224, 229) looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 229)  
}
```

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(205, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 229) }
```

Border

The CSS property to change the border of an element to XYZ 65.9753, 71.9476, 84.5387 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(205, 224, 229) }
```


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

```
.border{ border-color:rgb(205, 224, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 224, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9753, 71.9476, 84.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 229) }
```

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

```
.background{ background-color: rgb(205,  
224, 229) }
```

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