

Converting Colors

XYZ(66.3558, 68.0506, 84.1330)

Have a look what the booklet for
XYZ(66.3558, 68.0506, 84.1330)
contains.

XYZ(66.3961, 67.9006, 84.4696)	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(66.3961, 67.9006,
84.4696)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D5E6
RGB	216, 213, 230
RGB Percent	85%, 84%, 90%
CMY	0.1529, 0.1647, 0.0980
CMYK	0.06, 0.07, 0.00, 0.10
HSL	251°, 25%, 87%
HSV	251°, 7%, 90%
XYZ	66.3961, 67.9006, 84.4696
YIQ	215.8350, -3.6690, 5.9230

Conversions

Conversions Part 2

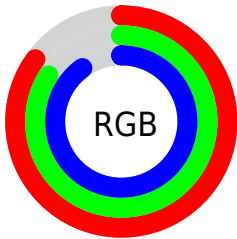
Format	Color
R _Y B	216, 213, 230
Decimal	14210534
CIE Lab	85.96, 4.18, -7.98
CIE LCh	86, 9.011, 297.630
Yxy	67.9006, 0.3035, 0.3104
Android (android.graphics.Color)	4292400614 (0xFFD8D5E6)
YUV	215.8350, 6.9833, 0.1447
Hunter-Lab	82.4018, -0.3750, -3.0965

Details

The XYZ color **66.3961, 67.9006, 84.4696** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.9881, 77.7304, 74.1634**, and the grayscale version is **65.1154, 68.5065, 74.6036**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6627, 35.1259, 45.5105** is the 20% darker color. If you saturate the color by 10%, you get **55.7386, 54.4203, 82.4304**, and if you desaturate by 10%, it is **78.5234, 83.3602, 86.8155**.

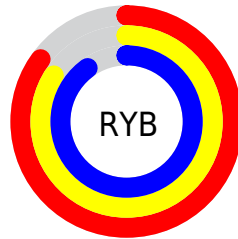
Distribution



Red (85%)

Green (84%)

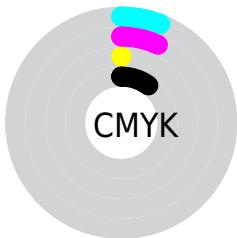
Blue (90%)



Red (85%)

Yellow (84%)

Blue (90%)

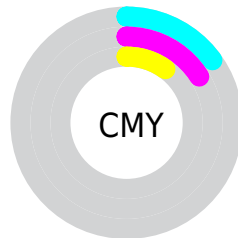


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (15%)

Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3961, 67.9006, 84.4696 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 66.3961, 67.9006, 84.4696 by changing the saturation by 10% instead.

■ 66.3961, 67.9006,
84.4696

■ 66.3961, 67.9006,
84.4696

437.2585,
453.1438, 529.9701

■ 48.8629, 49.8169,
62.8556

113.1092,
116.2099, 141.4995

■ 34.7248, 35.2679,
45.2841

143.0199,
147.2043, 177.7524

■ 23.6165, 23.8693,
31.3367

177.7871,
183.2711, 219.7221

■ 15.1726, 15.2367,
20.5948

217.7762,
224.7945, 267.8270

■ 9.0277, 8.9857,
12.6398

263.3525,
272.1592, 322.4857

■ 4.8165, 4.7318,
7.0532

314.8814,

■ 2.1737, 2.0908,

325.7493, 384.1168

3.4164

372.7283,
385.9494, 453.1387

■ 0.7288, 0.6594,
1.3110

■ 0.0000, 0.0000,
0.0708

■ 66.3961, 67.9006,
84.4696

■ 66.3961, 67.9006,
84.4696

■ 55.7386, 54.4203,
82.4304

■ 78.5234, 83.3602,
86.8155

■ 46.4886, 42.8307,
80.6809

■ 90.8764, 98.2836,
89.0449

■ 38.5884, 33.0492,
79.2093

■ 91.2831, 98.4933,
89.0639

■ 31.9739, 24.9839,
78.0011

■ 26.5754, 18.5345,
77.0408

■ 22.3169, 13.5903,
76.3109

■ 19.1130, 10.0263,
75.7919

■ 16.8659, 7.6971,
75.4607

■ 15.4526, 6.4129,
75.2873

Harmonies

Analogous

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



64.3734, 67.9006, 85.8838



66.3961, 67.9006, 84.4696



67.9489, 67.9006, 80.1879

Triad

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



66.3961, 67.9006, 84.4696



66.6864, 67.9006, 64.7392



60.6517, 67.9006, 73.4630

Complementary

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



66.3961, 67.9006, 84.4696



71.9881, 77.7304, 74.1634

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.



61.2422, 67.9006, 68.0106



66.3961, 67.9006, 84.4696



64.7018, 67.9006, 63.1443

Square

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



66.3961, 67.9006, 84.4696



68.1190, 67.9006, 68.7839



62.7139, 67.9006, 64.3098



61.0838, 67.9006, 79.3312

Rectangle

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



66.3961, 67.9006, 84.4696



68.4934, 67.9006, 76.3948



62.7139, 67.9006, 64.3098



60.7369, 67.9006, 71.5231

Sweetspot

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



66.3981, 67.9035, 84.4711



91.9159, 96.0010, 108.2933



69.2404, 74.8906, 85.6699



19.7066, 20.5901, 23.1856



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.



66.3981, 67.9035, 84.4711



81.5448, 82.8108, 106.2939



68.9233, 69.2053, 84.5893



13.8186, 14.0087, 18.1200



8.6656, 3.5332, 42.6084



0.7101, 0.2970, 3.1519

Inverse Universe

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



70.2949, 69.9606, 82.4752



87.5159, 85.9635, 103.2083



69.4225, 76.4078, 74.0433



14.8803, 14.5693, 17.5701



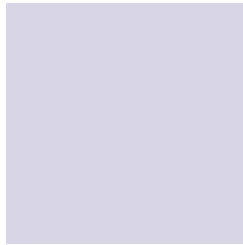
23.7436, 11.6317, 28.6084



1.7833, 0.8710, 2.2653

Previews

White Background



This preview shows how the XYZ color 66.3961, 67.9006, 84.4696 looks on a white background.

Color Contrast Check

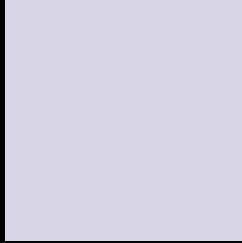
Large Text (above 18pt) WCAG AA × Fail

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 66.3961, 67.9006, 84.4696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

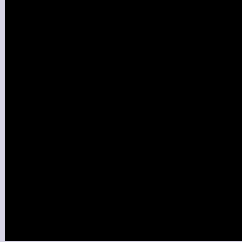
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3961, 67.9006, 84.4696

Background



This preview shows how black text looks on a background with the XYZ color 66.3961, 67.9006, 84.4696.

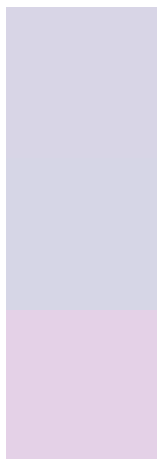


This preview shows how white text looks on a background with the XYZ color 66.3961, 67.9006,

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

66.3961, 67.9006, 84.4696

Protanopia

66.0611, 68.1024, 84.5262

Deuteranopia

69.2192, 67.8644, 85.0522



Tritanopia

66.3961, 67.9006, 84.4696

Trichromacy



Original Color

66.3961, 67.9006, 84.4696

Protanomaly

66.3538, 68.2534, 84.5399

Deuteranomaly

68.2109, 67.7100, 85.0755

Tritanomaly

66.3961, 67.9006, 84.4696

Monochromacy



Original Color

66.3961, 67.9006, 84.4696

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.6705, 68.4203, 78.1518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3961, 67.9006, 84.4696 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, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 230)  
}
```

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, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.3961, 67.9006, 84.4696 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, 213, 230) }
```


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

```
.border{ border-color:rgb(216, 213, 230) }
```

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

Here you see how a box with a 4 pixel rgb(216, 213, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3961, 67.9006, 84.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 230) }
```

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

```
.background{ background-color: rgb(216,  
213, 230) }
```

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