

Converting Colors

XYZ(45.5109, 47.7976, 67.8004)

Have a look what the booklet for
XYZ(45.5109, 47.7976, 67.8004)
contains.

XYZ(45.5594, 47.8971, 67.8166)	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(45.5594, 47.8971,
67.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB9D2
RGB	170, 185, 210
RGB Percent	67%, 73%, 82%
CMY	0.3333, 0.2745, 0.1765
CMYK	0.19, 0.12, 0.00, 0.18
HSL	217°, 31%, 75%
HSV	217°, 19%, 82%
XYZ	45.5594, 47.8971, 67.8166
YIQ	183.3650, -16.9650, 4.5950

Conversions

Conversions Part 2

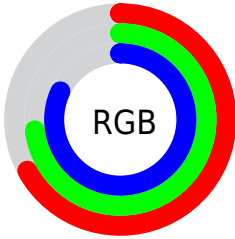
Format	Color
RYB	170, 181, 210
Decimal	11188690
CIELab	74.76, 0.10, -14.32
CIELCh	75, 14.318, 270.397
Yxy	47.8971, 0.2825, 0.2970
Android (android.graphics.Color)	4289378770 (0xFFAAB9D2)
YUV	183.3650, 13.1311, -11.7211
Hunter-Lab	69.2077, -3.6071, -9.6528

Details

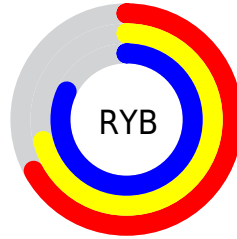
The XYZ color **45.5594, 47.8971, 67.8166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.3496, 55.6342, 45.9580**, and the grayscale version is **45.1481, 47.4993, 51.7267**.

A 20% lighter version of the original color is **80.8693, 86.2993, 107.0029**, and **21.5881, 22.6847, 34.6933** is the 20% darker color. If you saturate the color by 10%, you get **38.7575, 40.5023, 66.7485**, and if you desaturate by 10%, it is **53.3428, 56.1766, 69.0052**.

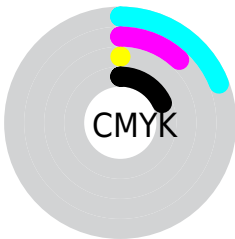
Distribution



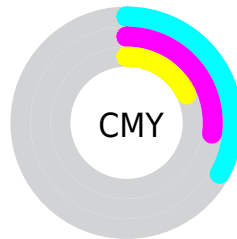
- Red (67%)
- Green (73%)
- Blue (82%)



- Red (67%)
- Yellow (71%)
- Blue (82%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5594, 47.8971, 67.8166 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 45.5594, 47.8971, 67.8166 by changing the saturation by 10% instead.

■ 45.5594, 47.8971,
67.8166

■ 45.5594, 47.8971,
67.8166

359.7801,
378.3841, 471.4263

■ 32.1014, 33.7454,
49.2828

■ 82.7911, 87.0512,
117.7415

■ 21.5949, 22.6981,
34.4767

107.2956,
112.8223, 149.9696

■ 13.6745, 14.3707,
22.9797

136.2129,
143.2355, 187.5996

■ 7.9748, 8.3790,
14.3734

169.9085,
178.6749, 231.0500

■ 4.1305, 4.3384,
8.2391

208.7476,
219.5251, 280.7393

■ 1.7762, 1.8646,
4.1584

253.0957,

■ 0.5033, 0.5270,

266.1705, 337.0861

1.7126

303.3181,
318.9953, 400.5090

■ 0.0000, 0.0000,
0.3694

■ 0.0000, 0.0000,
0.0000

■ 45.5594, 47.8971,
67.8166

■ 45.5594, 47.8971,
67.8166

■ 38.7575, 40.5023,
66.7485

■ 53.3428, 56.1766,
69.0052

■ 32.8916, 33.9549,
65.7939

■ 62.1420, 65.3645,
70.3149

■ 27.9189, 28.2235,
64.9498

■ 71.9950, 75.4910,
71.7502

■ 23.7912, 23.2723,
64.2116

■ 82.9363, 86.5829,
73.3145

■ 20.4557, 19.0622,
63.5748

■ 87.2529, 94.6729,
74.6485

■ 17.8526, 15.5504,
63.0341

■ 88.6330, 97.4332,
75.1086

■ 15.9127, 12.6879,
62.5839

■ 14.5276, 10.4051,
62.2163

■ 14.4118, 10.2107,
62.1848

Harmonies

Analogous

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



43.0999, 47.8971, 65.6151



45.5594, 47.8971, 67.8166



48.1011, 47.8971, 65.4995

Triad

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



45.5594, 47.8971, 67.8166



49.9737, 47.8971, 45.2385



41.3155, 47.8971, 45.3950

Complementary

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



45.5594, 47.8971, 67.8166



53.3496, 55.6342, 45.9580

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.



43.0421, 47.8971, 40.7530



45.5594, 47.8971, 67.8166



48.0389, 47.8971, 40.6689

Square

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



45.5594, 47.8971, 67.8166



50.7083, 47.8971, 52.0527



45.4901, 47.8971, 39.1066



40.7070, 47.8971, 52.2511

Rectangle

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



45.5594, 47.8971, 67.8166



49.4856, 47.8971, 61.8200



45.4901, 47.8971, 39.1066



41.7811, 47.8971, 43.5481

Sweetspot

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



45.5609, 47.8991, 67.8177



86.6686, 91.2631, 107.6554



49.4378, 58.5652, 60.1319



18.3630, 19.3373, 23.0146



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.



45.5609, 47.8991, 67.8177



66.0675, 69.3255, 104.5068



43.6131, 42.4792, 66.8742



11.5218, 12.1338, 14.9784



8.8801, 6.4068, 37.9611



0.5719, 0.5089, 2.1477

Inverse Universe

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



49.7112, 45.9551, 52.1512



73.7593, 65.9781, 75.4152



55.5721, 62.0229, 47.0740



11.9895, 11.8805, 13.2205



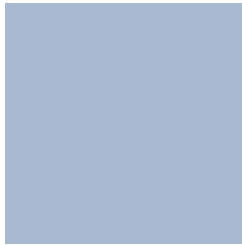
17.1130, 8.7180, 5.5011



0.9949, 0.5027, 0.5079

Previews

White Background



This preview shows how the XYZ color 45.5594, 47.8971, 67.8166 looks on a white background.

Color Contrast Check

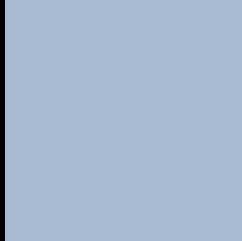
Large Text (above 18pt) WCAG AA × Fail

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 45.5594, 47.8971, 67.8166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

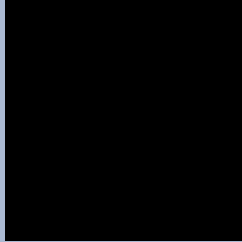
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5594, 47.8971, 67.8166

Background



This preview shows how black text looks on a background with the XYZ color 45.5594, 47.8971, 67.8166.



This preview shows how white text looks on a background with the XYZ color 45.5594, 47.8971,

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

45.5594, 47.8971, 67.8166

Protanopia

46.9355, 47.7133, 66.4103

Deuteranopia

48.8642, 47.7622, 68.2716



Tritanopia

44.2500, 47.6597, 62.1254

Trichromacy



Original Color

45.5594, 47.8971, 67.8166

Protanomaly

46.3466, 47.7005, 67.0860

Deuteranomaly

47.5731, 47.6960, 68.3269

Tritanomaly

44.8202, 47.9125, 64.0125

Monochromacy



Original Color

45.5594, 47.8971, 67.8166

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.1262, 47.5962, 57.2607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5594, 47.8971, 67.8166 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(170, 185, 210)` looks like.

```
.text, #text, p{  
    color:rgb(170, 185, 210)  
}
```

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(170, 185, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 185, 210) }
```

Border

The CSS property to change the border of an element to XYZ 45.5594, 47.8971, 67.8166 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(170, 185, 210) }
```


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

```
.border{ border-color:rgb(170, 185, 210) }
```

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

Here you see how a box with a 4 pixel rgb(170, 185, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 185, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 185, 210);  
box-shadow:4px 4px 4px 4px rgb(170, 185,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5594, 47.8971, 67.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 185, 210) }
```

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

```
.background{ background-color: rgb(170,  
185, 210) }
```

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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