

Converting Colors

XYZ(47.7516, 49.5378, 66.3117)

Have a look what the booklet for
XYZ(47.7516, 49.5378, 66.3117)
contains.

XYZ(47.8552, 49.7489, 66.1117)	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(47.8552, 49.7489,
66.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BBCF
RGB	180, 187, 207
RGB Percent	71%, 73%, 81%
CMY	0.2941, 0.2667, 0.1882
CMYK	0.13, 0.10, 0.00, 0.19
HSL	224°, 22%, 76%
HSV	224°, 13%, 81%
XYZ	47.8552, 49.7489, 66.1117
YIQ	187.1870, -10.5920, 4.7360

Conversions

Conversions Part 2

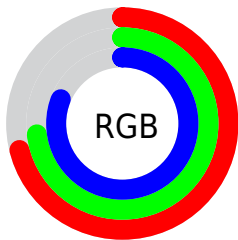
Format	Color
R _Y B	180, 186, 207
Decimal	11844559
CIE Lab	75.91, 1.59, -10.88
CIE LCh	76, 10.998, 278.295
Yxy	49.7489, 0.2923, 0.3039
Android (android.graphics.Color)	4290034639 (0xFFB4BBCF)
YUV	187.1870, 9.7678, -6.3030
Hunter-Lab	70.5329, -2.3238, -6.2005

Details

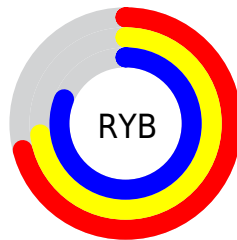
The XYZ color **47.8552, 49.7489, 66.1117** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6250, 57.8691, 51.4719**, and the grayscale version is **47.2917, 49.7545, 54.1827**.

A 20% lighter version of the original color is **84.6927, 89.1541, 107.3524**, and **23.0273, 23.8621, 33.5292** is the 20% darker color. If you saturate the color by 10%, you get **40.3109, 41.2874, 64.8769**, and if you desaturate by 10%, it is **56.4694, 59.2801, 67.4982**.

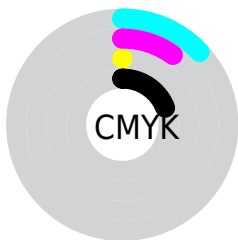
Distribution



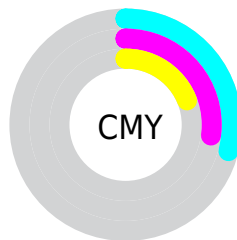
- Red (71%)
- Green (73%)
- Blue (81%)



- Red (71%)
- Yellow (73%)
- Blue (81%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (29%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8552, 49.7489, 66.1117 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 47.8552, 49.7489, 66.1117 by changing the saturation by 10% instead.

■ 47.8552, 49.7489,
66.1117

■ 47.8552, 49.7489,
66.1117

368.8100,
385.6832, 465.1914

■ 33.9230, 35.2139,
47.9060

■ 86.1998, 89.8027,
115.2752

■ 22.9971, 23.8277,
33.3930

111.3429,
116.0904, 147.0700

■ 14.7120, 15.2059,
22.1541

140.9536,
147.0643, 184.2317

■ 8.7025, 8.9640,
13.7708

175.3974,
183.1091, 227.1788

■ 4.6032, 4.7177,
7.8245

215.0396,
224.6089, 276.3297

■ 2.0487, 2.0826,
3.8967

260.2455,

■ 0.6611, 0.6548,

271.9483, 332.1031

1.5688

311.3806,
325.5116, 394.9175

■ 0.0000, 0.0000,
0.2684

■ 0.0000, 0.0000,
0.0000

■ 47.8552, 49.7489,
66.1117

■ 47.8552, 49.7489,
66.1117

■ 40.3109, 41.2874,
64.8769

■ 56.4694, 59.2801,
67.4982

■ 33.7894, 33.8512,
63.7853

■ 66.1893, 69.9109,
69.0378

■ 28.2467, 27.4021,
62.8326

■ 77.0544, 81.6778,
70.7364

■ 23.6336, 21.8968,
62.0131

■ 86.1718, 93.1035,
72.4613

■ 19.8964, 17.2888,
61.3206

■ 88.2626, 97.2851,
73.1582

■ 16.9759, 13.5270,
60.7485

■ 14.8047, 10.5551,
60.2893

■ 13.3032, 8.3081,
59.9347

■ 12.5671, 7.1141,
59.7430

Harmonies

Analogous

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



45.8434, 49.7489, 65.3363



47.8552, 49.7489, 66.1117



49.7674, 49.7489, 63.5100

Triad

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



47.8552, 49.7489, 66.1117



50.4432, 49.7489, 47.4755



43.7198, 49.7489, 50.1034

Complementary

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



47.8552, 49.7489, 66.1117



54.6250, 57.8691, 51.4719

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.



44.8863, 49.7489, 45.7903



47.8552, 49.7489, 66.1117



48.7562, 49.7489, 44.3511

Square

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



47.8552, 49.7489, 66.1117



51.2895, 49.7489, 52.5574



46.7190, 49.7489, 43.7572



43.4943, 49.7489, 55.8114

Rectangle

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



47.8552, 49.7489, 66.1117



50.7147, 49.7489, 60.3139



46.7190, 49.7489, 43.7572



44.0132, 49.7489, 48.4546

Sweetspot

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



47.8567, 49.7510, 66.1128



89.0336, 93.3907, 107.9414



51.5381, 58.4906, 63.0954



18.8216, 19.7303, 23.0663



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.



47.8567, 49.7510, 66.1128



72.7061, 75.2784, 105.3059



47.9074, 47.6253, 65.6998



11.4094, 11.9091, 14.9410



7.9835, 4.6136, 37.6622



0.5117, 0.3885, 2.1276

Inverse Universe

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



51.0242, 49.4969, 53.8806



78.8980, 74.8787, 81.3724



54.5587, 60.2977, 51.9442



11.9328, 11.8579, 12.9219



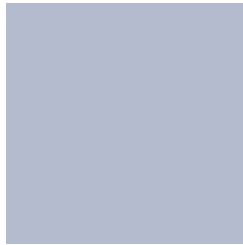
16.6604, 8.5370, 3.1180



0.9645, 0.4905, 0.3479

Previews

White Background



This preview shows how the XYZ color 47.8552, 49.7489, 66.1117 looks on a white background.

Color Contrast Check

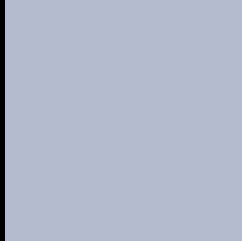
Large Text (above 18pt) WCAG AA × Fail

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 47.8552, 49.7489, 66.1117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

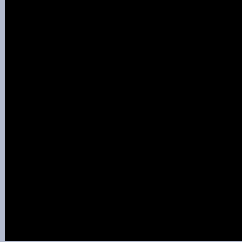
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

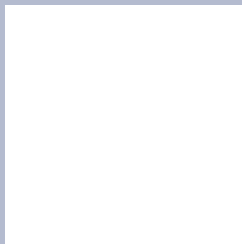
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8552, 49.7489, 66.1117

Background



This preview shows how black text looks on a background with the XYZ color 47.8552, 49.7489, 66.1117.



This preview shows how white text looks on a background with the XYZ color 47.8552, 49.7489,

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

47.8552, 49.7489, 66.1117

Protanopia

48.7071, 49.8883, 65.4548

Deuteranopia

50.6188, 49.6121, 66.5827



Tritanopia

47.3531, 49.8619, 63.6285

Trichromacy



Original Color

47.8552, 49.7489, 66.1117

Protanomaly

48.2279, 49.6413, 65.4324

Deuteranomaly

49.7609, 49.7822, 66.6608

Tritanomaly

47.4727, 49.9098, 64.2582

Monochromacy



Original Color

47.8552, 49.7489, 66.1117

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2751, 49.6260, 58.1261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8552, 49.7489, 66.1117 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(180, 187, 207) looks like.

```
.text, #text, p{  
    color:rgb(180, 187, 207)  
}
```

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(180, 187, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 187, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.8552, 49.7489, 66.1117 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(180, 187, 207) }
```


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

```
.border{ border-color:rgb(180, 187, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 187, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 187, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 187, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 187,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8552, 49.7489, 66.1117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 187, 207) }
```

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

```
.background{ background-color: rgb(180,  
187, 207) }
```

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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