

Converting Colors

XYZ(47.4684, 51.4647, 67.1063)

Have a look what the booklet for
XYZ(47.4684, 51.4647, 67.1063)
contains.

XYZ(47.4684, 51.4647, 67.1063)	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(47.4684, 51.4647,
67.1063)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC1D0
RGB	172, 193, 208
RGB Percent	67%, 76%, 82%
CMY	0.3255, 0.2431, 0.1843
CMYK	0.17, 0.07, 0.00, 0.18
HSL	205°, 28%, 75%
HSV	205°, 17%, 82%
XYZ	47.4684, 51.4647, 67.1063
YIQ	188.4310, -17.3310, 0.2130

Conversions

Conversions Part 2

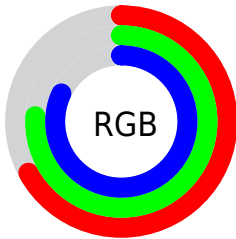
Format	Color
R_{YB}	172, 185, 208
Decimal	11321808
CIE _{Lab}	76.96, -3.99, -9.93
CIE _{LCh}	77, 10.699, 248.096
Yxy	51.4647, 0.2859, 0.3100
Android (android.graphics.Color)	4289511888 (0xFFACC1D0)
YUV	188.4310, 9.6475, -14.4100
Hunter-Lab	71.7389, -7.4327, -5.2441

Details

The XYZ color **47.4684, 51.4647, 67.1063** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.2295, 51.9290, 46.3540**, and the grayscale version is **48.0002, 50.4999, 54.9944**.

A 20% lighter version of the original color is **83.9206, 91.4653, 107.8392**, and **22.8186, 25.0112, 34.1968** is the 20% darker color. If you saturate the color by 10%, you get **41.3963, 45.5748, 66.2903**, and if you desaturate by 10%, it is **54.3703, 57.9517, 67.9955**.

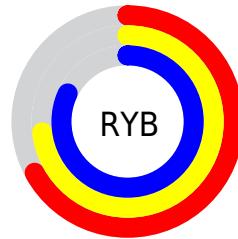
Distribution



Red (67%)

Green (76%)

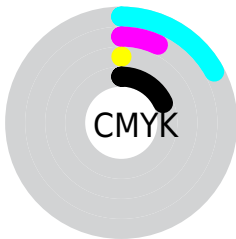
Blue (82%)



Red (67%)

Yellow (73%)

Blue (82%)

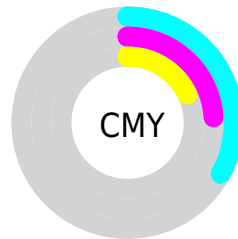


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (24%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4684, 51.4647, 67.1063 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 47.4684, 51.4647, 67.1063 by changing the saturation by 10% instead.

■ 47.4684, 51.4647,
67.1063

■ 47.4684, 51.4647,
67.1063

367.2989,
392.3666, 468.8348

■ 33.6156, 36.5786,
48.7089

■ 85.6269, 92.3413,
116.7148

■ 22.7599, 24.8814,
34.0246

110.6632,
119.1006, 148.7630

■ 14.5361, 15.9887,
22.6350

140.1582,
150.5863, 186.1985

■ 8.5786, 9.5162,
14.1215

174.4771,
187.1830, 229.4398

■ 4.5223, 5.0794,
8.0655

213.9852,
229.2750, 278.9056

■ 2.0016, 2.2939,
4.0485

259.0480,

■ 0.6349, 0.7705,

277.2466, 335.0144

1.6520

310.0307,
331.4824, 398.1846

■ 0.0000, 0.0000,
0.3275

■ 0.0000, 0.0000,
0.0000

■ 47.4684, 51.4647,
67.1063

■ 47.4684, 51.4647,
67.1063

■ 41.3963, 45.5748,
66.2903

■ 54.3703, 57.9517,
67.9955

■ 36.1145, 40.2547,
65.5418

■ 62.1302, 65.0491,
68.9564

■ 31.5866, 35.4843,
64.8597

■ 70.7807, 72.7777,
69.9922

■ 27.7717, 31.2393,
64.2414

■ 80.2766, 81.1168,
71.1014

■ 24.6244, 27.4933,
63.6842

■ 82.7159, 85.9953,
71.9145

■ 22.0937, 24.2169,
63.1852

■ 85.2763, 91.1161,
72.7679

■ 20.1202, 21.3761,
62.7409

■ 87.9595, 96.4824,
73.6623

■ 18.6234, 18.9262,
62.3469

■ 88.3853, 97.3341,
73.8043

■ 18.2652, 18.3140,
62.2476

Harmonies

Analogous

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



45.8963, 51.4647, 63.2491



47.4684, 51.4647, 67.1063



49.4696, 51.4647, 67.8968

Triad

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



47.4684, 51.4647, 67.1063



52.8984, 51.4647, 54.4707



46.5377, 51.4647, 47.6607

Complementary

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



47.4684, 51.4647, 67.1063



51.2295, 51.9290, 46.3540

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.



48.3659, 51.4647, 45.6443



47.4684, 51.4647, 67.1063



52.0646, 51.4647, 49.3938

Square

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



47.4684, 51.4647, 67.1063



52.6420, 51.4647, 60.3278



50.3920, 51.4647, 46.2560



45.3695, 51.4647, 51.9533

Rectangle

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



47.4684, 51.4647, 67.1063



50.7843, 51.4647, 66.5303



50.3920, 51.4647, 46.2560



47.0934, 51.4647, 46.7083

Sweetspot

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



47.4699, 51.4668, 67.1075



88.8427, 94.3193, 108.1307



48.4756, 57.4455, 55.2118



18.8353, 20.0216, 23.1218



0.0000, 0.0000, 0.0000



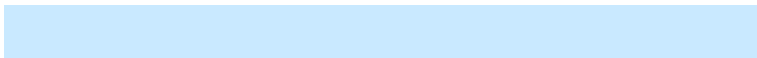
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4699, 51.4668, 67.1075



71.3102, 77.8033, 105.8668



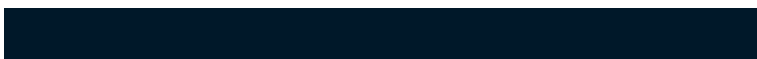
43.8464, 44.2198, 65.8996



11.7284, 12.5471, 15.0473



11.4811, 11.6088, 38.8281



0.7193, 0.8039, 2.1968

Inverse Universe

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



50.3918, 46.7664, 56.8254



76.8956, 69.1090, 86.1464



55.1477, 59.7655, 47.6601



12.0938, 11.9223, 13.7698



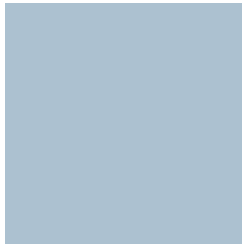
18.4259, 9.2432, 12.4147



1.0693, 0.5324, 0.8999

Previews

White Background



This preview shows how the XYZ color 47.4684, 51.4647, 67.1063 looks on a white background.

Color Contrast Check

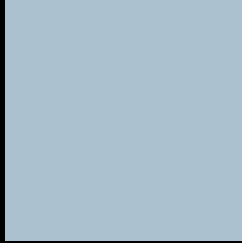
Large Text (above 18pt) WCAG AA × Fail

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 47.4684, 51.4647, 67.1063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

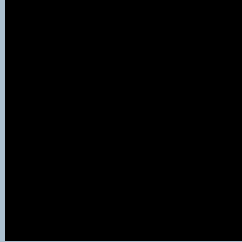
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

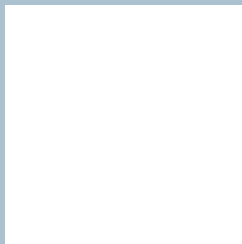
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4684, 51.4647, 67.1063

Background



This preview shows how black text looks on a background with the XYZ color 47.4684, 51.4647, 67.1063.



This preview shows how white text looks on a background with the XYZ color 47.4684, 51.4647,

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

47.4684, 51.4647, 67.1063

Protanopia

49.9889, 51.1930, 65.0042

Deuteranopia

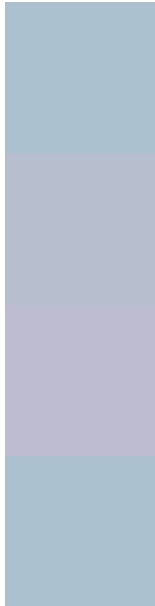
52.5350, 51.4932, 68.1431



Tritanopia

47.4684, 51.4647, 67.1063

Trichromacy



Original Color

47.4684, 51.4647, 67.1063

Protanomaly

49.0825, 51.3504, 65.7172

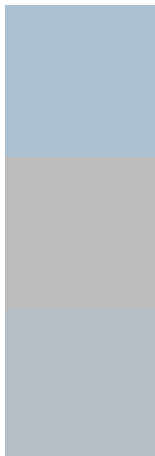
Deuteranomaly

50.4781, 51.3887, 67.5801

Tritanomaly

47.4684, 51.4647, 67.1063

Monochromacy



Original Color

47.4684, 51.4647, 67.1063

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5552, 50.7121, 58.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4684, 51.4647, 67.1063 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(172, 193, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 193, 208)  
}
```

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(172, 193, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 193, 208) }
```

Border

The CSS property to change the border of an element to XYZ 47.4684, 51.4647, 67.1063 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(172, 193, 208) }
```


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

```
.border{ border-color:rgb(172, 193, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 193, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 193, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 193, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 193,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4684, 51.4647, 67.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 193, 208) }
```

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

```
.background{ background-color: rgb(172,  
193, 208) }
```

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