

Converting Colors

XYZ(47.6800, 52.7098, 44.5533)

Have a look what the booklet for
XYZ(47.6800, 52.7098, 44.5533)
contains.

XYZ(47.8182, 52.8045, 44.7178)	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(47.8182, 52.8045,
44.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC3A8
RGB	190, 195, 168
RGB Percent	75%, 76%, 66%
CMY	0.2549, 0.2353, 0.3412
CMYK	0.03, 0.00, 0.14, 0.24
HSL	71°, 18%, 71%
HSV	71°, 14%, 76%
XYZ	47.8182, 52.8045, 44.7178
YIQ	190.4270, 5.6870, -9.4570

Conversions

Conversions Part 2

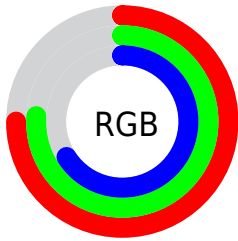
Format	Color
RYB	168, 195, 173
Decimal	12501928
CIELab	77.76, -6.47, 12.99
CIELCh	78, 14.511, 116.463
Yxy	52.8045, 0.3290, 0.3633
Android (android.graphics.Color)	4290692008 (0xFFBEC3A8)
YUV	190.4270, -11.0565, -0.3745
Hunter-Lab	72.6667, -9.7051, 14.3807

Details

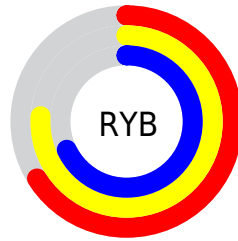
The XYZ color **47.8182, 52.8045, 44.7178** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.0886, 40.8311, 57.3481**, and the grayscale version is **49.2505, 51.8153, 56.4269**.

A 20% lighter version of the original color is **86.1357, 94.5414, 83.5205**, and **22.9938, 25.6291, 20.2580** is the 20% darker color. If you saturate the color by 10%, you get **45.2452, 51.6740, 35.8148**, and if you desaturate by 10%, it is **50.6890, 54.0601, 55.0591**.

Distribution



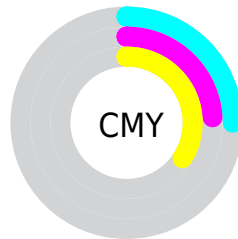
- Red (75%)
- Green (76%)
- Blue (66%)



- Red (66%)
- Yellow (76%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8182, 52.8045, 44.7178 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 47.8182, 52.8045, 44.7178 by changing the saturation by 10% instead.

■ 47.8182, 52.8045,
44.7178

■ 47.8182, 52.8045,
44.7178

368.6657,
397.5346, 381.7562

■ 33.8936, 37.6467,
30.8939

■ 86.1450, 94.3166,
83.6107

■ 22.9744, 25.7086,
20.2603

■ 111.2779,
121.4398, 109.5168

■ 14.6952, 16.6058,
12.3984

140.8776,
153.3202, 140.2874

■ 8.6906, 9.9538,
6.8898

175.3095,
190.3422, 176.3410

■ 4.5954, 5.3684,
3.3159

214.9388,
232.8903, 218.0961

■ 2.0442, 2.4650,
1.2581

260.1311,

■ 0.6586, 0.8590,

281.3488, 265.9713

0.0271

311.2516,
336.1021, 320.3852

■ 0.0000, 0.0000,
0.0000

■ 47.8182, 52.8045,
44.7178

■ 47.8182, 52.8045,
44.7178

■ 45.2452, 51.6740,
35.8148

■ 50.6890, 54.0601,
55.0591

■ 42.9533, 50.6569,
28.2830

■ 53.8647, 55.4386,
66.8949

■ 40.9309, 49.7501,
22.0550

■ 57.3576, 56.9465,
80.2826

■ 39.1637, 48.9478,
17.0565

■ 61.1781, 58.5882,
95.2758

■ 37.6360, 48.2439,
13.2057

■ 63.5979, 59.6722,
102.7737

■ 36.3302, 47.6313,
10.4108

■ 64.6261, 60.2022,
102.8218

■ 35.2260, 47.1017,
8.5660

■ 65.6775, 60.7443,
102.8710

■ 34.2990, 46.6455,
7.5435

■ 66.7524, 61.2984,
102.9213

■ 33.7883, 46.3899,
7.1733

■ 67.8508, 61.8647,
102.9727

Harmonies

Analogous

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



50.5234, 52.8045, 43.3841



47.8182, 52.8045, 44.7178



45.8162, 52.8045, 49.3580

Triad

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



47.8182, 52.8045, 44.7178



47.2610, 52.8045, 71.3911



55.7810, 52.8045, 58.4557

Complementary

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



47.8182, 52.8045, 44.7178



41.0886, 40.8311, 57.3481

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.



54.8318, 52.8045, 66.4808



47.8182, 52.8045, 44.7178



49.8563, 52.8045, 74.3754

Square

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



47.8182, 52.8045, 44.7178



45.5030, 52.8045, 64.6747



52.6371, 52.8045, 72.5003



55.1864, 52.8045, 50.8676

Rectangle

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



47.8182, 52.8045, 44.7178



45.1142, 52.8045, 53.9464



52.6371, 52.8045, 72.5003



55.6310, 52.8045, 61.1962

Sweetspot

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



47.8196, 52.8068, 44.7189



90.6639, 96.7668, 98.1812



44.5093, 44.2987, 43.2512



19.7642, 21.1517, 21.1704



0.0000, 0.0000, 0.0000



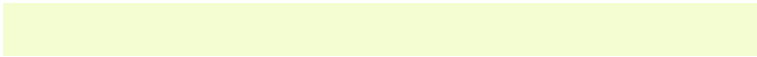
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8196, 52.8068, 44.7189



84.0077, 93.8559, 74.3568



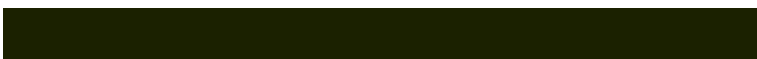
44.6139, 51.1542, 44.5689



10.7245, 11.6610, 10.7474



22.0253, 30.1833, 4.6651



1.0002, 1.3292, 0.2038

Inverse Universe

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



41.0886, 40.8311, 57.3481



69.3337, 67.7463, 101.8919



44.2139, 42.4422, 57.4944



9.6986, 9.8358, 12.6722



6.9309, 2.8334, 33.7382



0.3535, 0.1503, 1.4603

Previews

White Background



This preview shows how the XYZ color 47.8182, 52.8045, 44.7178 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 47.8182, 52.8045, 44.7178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

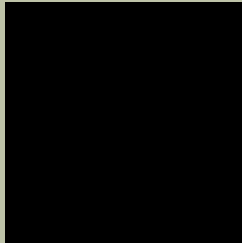
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

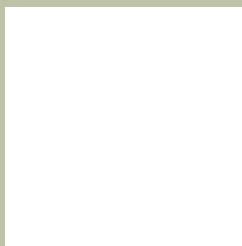
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8182, 52.8045, 44.7178

Background



This preview shows how black text looks on a background with the XYZ color 47.8182, 52.8045, 44.7178.



This preview shows how white text looks on a background with the XYZ color 47.8182, 52.8045,

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

47.8182, 52.8045, 44.7178

Protanopia

49.8200, 52.8700, 43.6555

Deuteranopia

53.8181, 52.6603, 45.3581



Tritanopia

51.9386, 52.8368, 65.2187

Trichromacy



Original Color

47.8182, 52.8045, 44.7178

Protanomaly

49.0710, 52.8003, 44.1644

Deuteranomaly

51.3715, 52.6697, 44.9948

Tritanomaly

50.3564, 52.8425, 57.4147

Monochromacy



Original Color

47.8182, 52.8045, 44.7178

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.5283, 52.0238, 51.7399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8182, 52.8045, 44.7178 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(190, 195, 168)` looks like.

```
.text, #text, p{  
    color:rgb(190, 195, 168)  
}
```

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(190, 195, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 195, 168) }
```

Border

The CSS property to change the border of an element to XYZ 47.8182, 52.8045, 44.7178 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(190, 195, 168) }
```


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

```
.border{ border-color:rgb(190, 195, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 195, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 195, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 195, 168); box-shadow:4px 4px 4px 4px rgb(190, 195, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8182, 52.8045, 44.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 195, 168) }
```

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

```
.background{ background-color: rgb(190,  
195, 168) }
```

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