

Converting Colors

XYZ(47.7883, 52.4426, 28.1079)

Have a look what the booklet for
XYZ(47.7883, 52.4426, 28.1079)
contains.

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Color

**XYZ(47.8681, 52.5358,
28.0396)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC180
RGB	204, 193, 128
RGB Percent	80%, 76%, 50%
CMY	0.2000, 0.2431, 0.4980
CMYK	0.00, 0.05, 0.37, 0.20
HSL	51°, 43%, 65%
HSV	51°, 37%, 80%
XYZ	47.8681, 52.5358, 28.0396
YIQ	188.8790, 27.4210, -17.8830

Conversions

Conversions Part 2

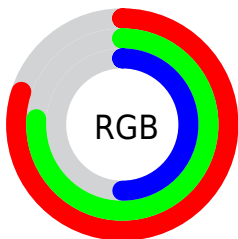
Format	Color
R_{YB}	141, 204, 128
Decimal	13418880
CIE Lab	77.60, -5.64, 34.14
CIE LCh	78, 34.600, 99.384
Yxy	52.5358, 0.3727, 0.4090
Android (android.graphics.Color)	4291608960 (0xFFCCC180)
YUV	188.8790, -30.0133, 13.2611
Hunter-Lab	72.4816, -8.9583, 27.8007

Details

The XYZ color **47.8681, 52.5358, 28.0396** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.0337, 27.4133, 60.8879**, and the grayscale version is **48.4569, 50.9804, 55.5177**.

A 20% lighter version of the original color is **83.5592, 92.3888, 57.6847**, and **23.1477, 25.6958, 10.9475** is the 20% darker color. If you saturate the color by 10%, you get **46.0126, 50.7619, 21.4495**, and if you desaturate by 10%, it is **50.0092, 54.4485, 36.0580**.

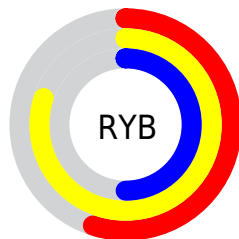
Distribution



Red (80%)

Green (76%)

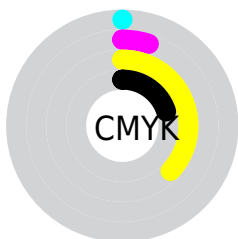
Blue (50%)



Red (55%)

Yellow (80%)

Blue (50%)

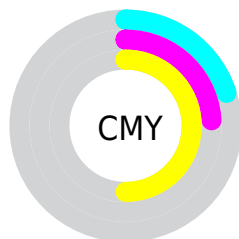


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8681, 52.5358, 28.0396 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 47.8681, 52.5358, 28.0396 by changing the saturation by 10% instead.

■ 47.8681, 52.5358,
28.0396

■ 47.8681, 52.5358,
28.0396

368.8604,
396.5016, 306.5740

■ 33.9333, 37.4323,
18.1162

■ 86.2189, 93.9210,
57.5715

■ 23.0050, 25.5424,
10.8631

■ 111.3655,
120.9714, 78.0171

■ 14.7179, 16.4816,
5.8619

■ 140.9801,
152.7730, 102.8072

■ 8.7067, 9.8656,
2.6938

175.4281,
189.7101, 132.3604

■ 4.6059, 5.3099,
0.9403

215.0747,
232.1671, 167.0951

■ 2.0503, 2.4302,
0.0000

260.2854,

■ 0.6620, 0.8414,

280.5285, 207.4299

0.0000

311.4255,
335.1785, 253.7833

■ 0.0000, 0.0000,
0.0000

■ 47.8681, 52.5358,
28.0396

■ 47.8681, 52.5358,
28.0396

■ 46.0126, 50.7619,
21.4495

■ 50.0092, 54.4485,
36.0580

■ 44.4225, 49.1130,
16.1986

■ 52.4470, 56.4990,
45.5799

■ 43.0810, 47.5841,
12.1932


■ 55.1966, 58.6953,
56.6794

■ 41.9675, 46.1670,
9.3257


■ 58.2712, 61.0428,
69.4244


■ 41.0583, 44.8518,
7.4707

■ 61.6829, 63.5464,
83.8791


 40.3205, 43.6255,
6.4563

 65.4434, 66.2109,
100.1042

 40.1322, 43.2980,
6.2422

 66.9136, 67.9809,
104.2026

 67.6658, 69.4853,
104.4534

 68.4316, 71.0169,
104.7086

Harmonies

Analogous

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



54.5950, 52.5358, 29.2143



47.8681, 52.5358, 28.0396



42.2176, 52.5358, 33.2174

Triad

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



47.8681, 52.5358, 28.0396



40.6479, 52.5358, 83.8680



62.9489, 52.5358, 71.1596

Complementary

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



47.8681, 52.5358, 28.0396



29.0337, 27.4133, 60.8879

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.



58.5369, 52.5358, 90.6124



47.8681, 52.5358, 28.0396



45.5456, 52.5358, 99.0115

Square

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



47.8681, 52.5358, 28.0396



38.3010, 52.5358, 63.4140



52.0579, 52.5358, 101.7226



63.7113, 52.5358, 51.4106

Rectangle

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



47.8681, 52.5358, 28.0396



39.6736, 52.5358, 40.4365



52.0579, 52.5358, 101.7226



61.8258, 52.5358, 78.0605

Sweetspot

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



47.8694, 52.5382, 28.0407



89.5773, 95.7614, 86.3994



37.3109, 30.1521, 28.4337



19.0387, 20.3896, 17.9494



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.



47.8694, 52.5382, 28.0407



76.6829, 84.5424, 37.1844



43.7122, 54.1386, 28.5687



12.0102, 12.8092, 11.9189



25.3124, 27.3578, 3.9465



1.3446, 1.4889, 0.2165

Inverse Universe

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



29.0337, 27.4133, 60.8879



40.9392, 36.8808, 99.5687



32.0597, 26.7277, 60.5960



10.7305, 11.1015, 14.1476



7.1862, 3.3964, 36.2331



0.4140, 0.2617, 1.8836

Previews

White Background



This preview shows how the XYZ color 47.8681, 52.5358, 28.0396 looks on a white background.

Color Contrast Check

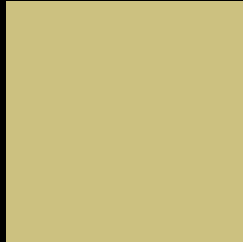
Large Text (above 18pt) WCAG AA × Fail

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 47.8681, 52.5358, 28.0396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

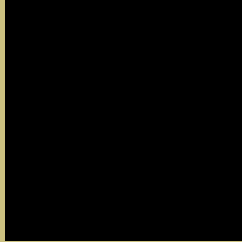
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8681, 52.5358, 28.0396

Background



This preview shows how black text looks on a background with the XYZ color 47.8681, 52.5358, 28.0396.

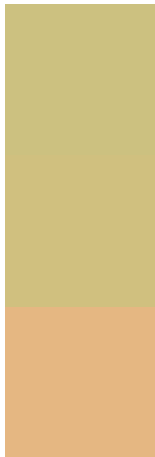


This preview shows how white text looks on a background with the XYZ color 47.8681, 52.5358,

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

47.8681, 52.5358, 28.0396

Protanopia

48.6928, 52.6415, 27.6731

Deuteranopia

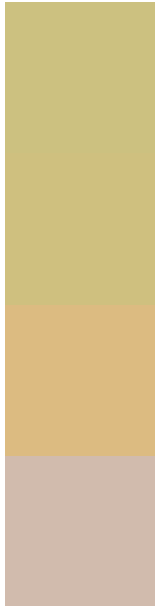
53.2758, 52.1367, 28.3745



Tritanopia

54.6007, 52.4015, 61.2696

Trichromacy



Original Color

47.8681, 52.5358, 28.0396

Protanomaly

48.4125, 52.4970, 27.6600

Deuteranomaly

51.2480, 52.3413, 28.1707

Tritanomaly

51.6076, 52.1131, 46.8740

Monochromacy



Original Color

47.8681, 52.5358, 28.0396

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6366, 51.0863, 43.9091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8681, 52.5358, 28.0396 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(204, 193, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 128)  
}
```

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(204, 193, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 128) }
```

Border

The CSS property to change the border of an element to XYZ 47.8681, 52.5358, 28.0396 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(204, 193, 128) }
```


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

```
.border{ border-color:rgb(204, 193, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8681, 52.5358, 28.0396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 128) }
```

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

```
.background{ background-color: rgb(204,  
193, 128) }
```

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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