

Converting Colors

XYZ(50.0035, 56.8586, 28.5896)

Have a look what the booklet for
XYZ(50.0035, 56.8586, 28.5896)
contains.

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Color

**XYZ(50.1541, 57.1078,
28.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCB80
RGB	204, 203, 128
RGB Percent	80%, 80%, 50%
CMY	0.2000, 0.2039, 0.4980
CMYK	0.00, 0.00, 0.37, 0.20
HSL	59°, 43%, 65%
HSV	59°, 37%, 80%
XYZ	50.1541, 57.1078, 28.8016
YIQ	194.7490, 24.6710, -23.1130

Conversions

Conversions Part 2

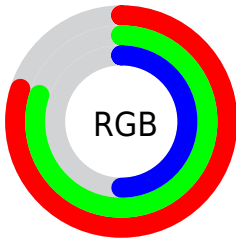
Format	Color
RYB	129, 204, 128
Decimal	13421440
CIELab	80.24, -10.79, 37.55
CIELCh	80, 39.065, 106.029
Yxy	57.1078, 0.3686, 0.4197
Android (android.graphics.Color)	4291611520 (0xFFCCCB80)
YUV	194.7490, -32.9073, 8.1131
Hunter-Lab	75.5697, -13.7801, 30.3018

Details

The XYZ color **50.1541, 57.1078, 28.8016** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.6514, 24.6487, 60.4271**, and the grayscale version is **51.9030, 54.6060, 59.4659**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **24.4814, 28.4203, 11.2165** is the 20% darker color. If you saturate the color by 10%, you get **48.8817, 56.5001, 22.4059**, and if you desaturate by 10%, it is **51.6994, 57.8289, 36.6215**.

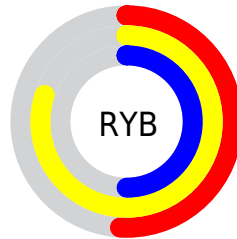
Distribution



Red (80%)

Green (80%)

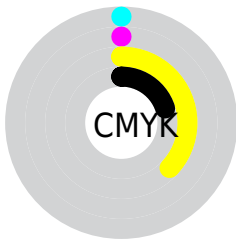
Blue (50%)



Red (51%)

Yellow (80%)

Blue (50%)

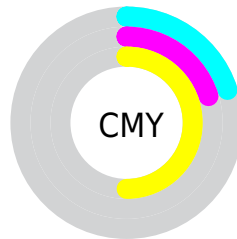


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1541, 57.1078, 28.8016 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 50.1541, 57.1078, 28.8016 by changing the saturation by 10% instead.

■ 50.1541, 57.1078,
28.8016

■ 50.1541, 57.1078,
28.8016

377.7103,
413.8531, 310.3093

■ 35.7542, 41.0918,
18.6865

■ 89.5936, 100.6225,
58.8001

■ 24.4136, 28.3908,
11.2695

■ 115.3639,
128.8899, 79.5207

■ 15.7671, 18.6205,
6.1319

■ 145.6550,
162.0100, 104.6134

■ 9.4493, 11.3964,
2.8554

180.8323,
200.3670, 134.4969

■ 5.0948, 6.3341,
1.0213

221.2611,
244.3455, 169.5897

■ 2.3383, 3.0493,
0.0000

267.3068,

■ 0.8142, 1.1575,

294.3297, 210.3103

0.0000

319.3347,
350.7041, 257.0773

■ 0.0000, 0.0266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1541, 57.1078,
28.8016

■ 50.1541, 57.1078,
28.8016

■ 48.8817, 56.5001,
22.4059

■ 51.6994, 57.8289,
36.6215

■ 47.8618, 55.9915,
17.3451


■ 53.5283, 58.6616,
45.9405

■ 47.0776, 55.5773,
13.5254


■ 55.6560, 59.6141,
56.8326


■ 46.5088, 55.2495,
10.8395


■ 58.0955, 60.6914,
69.3660


 46.1316, 54.9986,
9.1618


 60.8590, 61.8984,
83.6046


 45.9134, 54.8113,
8.3206

 63.9579, 63.2398,
99.6092

 45.8656, 54.7648,
8.1533

 64.7531, 63.6599,
103.4825

 64.8170, 63.7877,
103.5038

 64.8810, 63.9157,
103.5251

Harmonies

Analogous

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



58.0662, 57.1078, 28.5578



50.1541, 57.1078, 28.8016



43.9741, 57.1078, 36.4018

Triad

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



50.1541, 57.1078, 28.8016



44.3135, 57.1078, 99.4454



70.5616, 57.1078, 73.3975

Complementary

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



50.1541, 57.1078, 28.8016



27.6514, 24.6487, 60.4271

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.



66.0803, 57.1078, 97.9275



50.1541, 57.1078, 28.8016



50.6606, 57.1078, 115.2768

Square

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



50.1541, 57.1078, 28.8016



40.8346, 57.1078, 75.1128



58.6246, 57.1078, 114.6617



70.3919, 57.1078, 50.8252

Rectangle

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



50.1541, 57.1078, 28.8016



41.4384, 57.1078, 45.9906



58.6246, 57.1078, 114.6617



69.5316, 57.1078, 81.7839

Sweetspot

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



50.1555, 57.1104, 28.8028



90.7412, 98.0893, 86.7874



36.6017, 29.8685, 24.6988



19.3182, 20.9485, 18.0426



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.



50.1555, 57.1104, 28.8028



81.2748, 93.7264, 38.7151



41.4823, 52.9890, 28.4644



12.1408, 13.0705, 11.9624



28.8741, 34.4811, 5.1337



1.4937, 1.7871, 0.2662

Inverse Universe

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



27.6514, 24.6487, 60.4271



38.5435, 32.0894, 98.7702



34.0805, 27.7695, 60.6906



10.6133, 10.8671, 14.1086



6.8836, 2.7911, 36.1322



0.3593, 0.1524, 1.8654

Previews

White Background



This preview shows how the XYZ color 50.1541, 57.1078, 28.8016 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 50.1541, 57.1078, 28.8016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

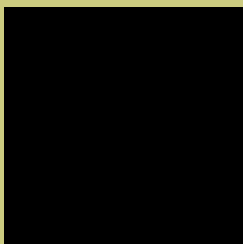
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

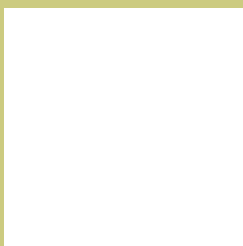
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1541, 57.1078, 28.8016

Background



This preview shows how black text looks on a background with the XYZ color 50.1541, 57.1078, 28.8016.



This preview shows how white text looks on a background with the XYZ color 50.1541, 57.1078,

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

50.1541, 57.1078, 28.8016

Protanopia

52.8046, 57.1049, 27.9779

Deuteranopia

58.1068, 56.8163, 29.3768



Tritanopia

57.8957, 56.8401, 67.5943

Trichromacy



Original Color

50.1541, 57.1078, 28.8016

Protanomaly

51.6364, 56.8379, 28.3280

Deuteranomaly

54.9084, 56.8107, 29.1907

Tritanomaly

54.6813, 56.8888, 50.7465

Monochromacy



Original Color

50.1541, 57.1078, 28.8016

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.8335, 55.3342, 46.5294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1541, 57.1078, 28.8016 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, 203, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 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, 203, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 128) }
```

Border

The CSS property to change the border of an element to XYZ 50.1541, 57.1078, 28.8016 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, 203, 128) }
```


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

```
.border{ border-color:rgb(204, 203, 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, 203, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1541, 57.1078, 28.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 128) }
```

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

```
.background{ background-color: rgb(204,  
203, 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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