

Converting Colors

XYZ(48.7867, 54.4238, 28.1840)

Have a look what the booklet for
XYZ(48.7867, 54.4238, 28.1840)
contains.

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Color

**XYZ(48.7644, 54.3284,
28.3383)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC580
RGB	204, 197, 128
RGB Percent	80%, 77%, 50%
CMY	0.2000, 0.2274, 0.4980
CMYK	0.00, 0.03, 0.37, 0.20
HSL	54°, 43%, 65%
HSV	54°, 37%, 80%
XYZ	48.7644, 54.3284, 28.3383
YIQ	191.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

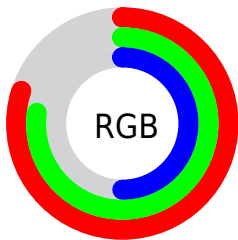
Format	Color
RYB	136, 204, 128
Decimal	13419904
CIELab	78.65, -7.71, 35.50
CIELCh	79, 36.329, 102.255
Yxy	54.3284, 0.3710, 0.4134
Android (android.graphics.Color)	4291609984 (0xFFCCC580)
YUV	191.2270, -31.1709, 11.2019
Hunter-Lab	73.7078, -10.8947, 28.8003

Details

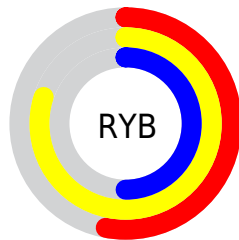
The XYZ color **48.7644, 54.3284, 28.3383** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.4650, 26.2760, 60.6983**, and the grayscale version is **49.8188, 52.4132, 57.0780**.

A 20% lighter version of the original color is **85.1253, 95.5210, 58.2068**, and **23.5920, 26.5845, 11.0956** is the 20% darker color. If you saturate the color by 10%, you get **47.1312, 52.9991, 21.8223**, and if you desaturate by 10%, it is **50.6756, 55.7813, 36.2801**.

Distribution



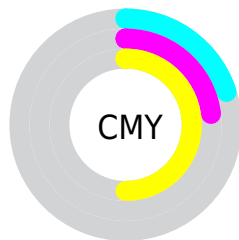
- Red (80%)
- Green (77%)
- Blue (50%)



- Red (53%)
- Yellow (80%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (37%)
- Black (20%)




- Cyan (20%)
- Magenta (23%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7644, 54.3284, 28.3383 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 48.7644, 54.3284, 28.3383 by changing the saturation by 10% instead.


 48.7644, 54.3284,
28.3383


 48.7644, 54.3284,
28.3383


372.3464,
403.3611, 308.0426


 34.6464, 38.8643,
18.3396


 87.5443, 96.5563,
58.0537

 23.5558, 26.6542,
11.0221


 112.9368,
124.0888, 78.6074

 15.1274, 17.3137,
5.9673


 142.8183,
156.4129, 103.5166

 8.9958, 10.4584,
2.7568

177.5540,
193.9130, 133.1997

 4.7955, 5.7039,
0.9718

217.5093,
236.9735, 168.0753

 2.1613, 2.6659,
0.0000

263.0496,

 0.7222, 0.9599,

285.9787, 208.5620

0.0000

314.5402,
341.3131, 255.0782

■ 0.0000, 0.0000,
0.0000

■ 48.7644, 54.3284,
28.3383

■ 48.7644, 54.3284,
28.3383

■ 47.1312, 52.9991,
21.8223

■ 50.6756, 55.7813,
36.2801

■ 45.7557, 51.7794,
16.6430

■ 52.8756, 57.3562,
45.7227

■ 44.6212, 50.6646,
12.7065


■ 55.3797, 59.0614,
56.7403


■ 43.7072, 49.6463,
9.9056


■ 58.2008, 60.9020,
69.4009


■ 42.9899, 48.7151,
8.1145


■ 61.3512, 62.8829,
83.7685


 42.4367, 47.8579,
7.1617

 64.8423, 65.0087,
99.9037

 42.2978, 47.6292,
6.9640

 66.0352, 66.2239,
103.9098

 66.5019, 67.1574,
104.0654

 66.9741, 68.1018,
104.2228

Harmonies

Analogous

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



55.9567, 54.3284, 28.9420



48.7644, 54.3284, 28.3383



42.9061, 54.3284, 34.4674

Triad

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



48.7644, 54.3284, 28.3383



42.0858, 54.3284, 89.8945



65.9212, 54.3284, 72.0300

Complementary

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



48.7644, 54.3284, 28.3383



28.4650, 26.2760, 60.6983

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.



61.4798, 54.3284, 93.4771



48.7644, 54.3284, 28.3383



47.5465, 54.3284, 105.3219

Square

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



48.7644, 54.3284, 28.3383



39.2966, 54.3284, 67.9428



54.6213, 54.3284, 106.7669



66.3244, 54.3284, 51.1585

Rectangle

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



48.7644, 54.3284, 28.3383



40.3660, 54.3284, 42.6034



54.6213, 54.3284, 106.7669



64.8332, 54.3284, 79.5172

Sweetspot

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



48.7658, 54.3309, 28.3394



90.0401, 96.6871, 86.5537



37.0370, 30.0425, 26.9912



19.1498, 20.6117, 17.9864



0.0000, 0.0000, 0.0000



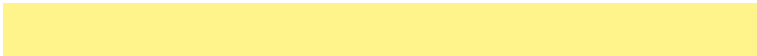
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7658, 54.3309, 28.3394



78.4749, 88.1264, 37.7817



42.8561, 53.6973, 28.5286



12.0621, 12.9132, 11.9362



26.6590, 30.0509, 4.3953



1.4017, 1.6030, 0.2355

Inverse Universe

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



28.4650, 26.2760, 60.6983



39.9437, 34.8898, 99.2369



32.7981, 27.1084, 60.6306



10.6834, 11.0073, 14.1319



7.0345, 3.0929, 36.1825



0.3921, 0.2180, 1.8763

Previews

White Background



This preview shows how the XYZ color 48.7644, 54.3284, 28.3383 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 48.7644, 54.3284, 28.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

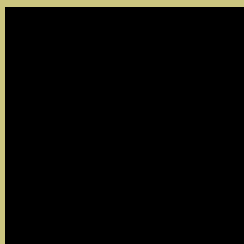
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

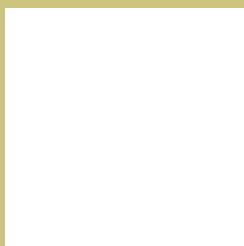
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7644, 54.3284, 28.3383

Background



This preview shows how black text looks on a background with the XYZ color 48.7644, 54.3284, 28.3383.



This preview shows how white text looks on a background with the XYZ color 48.7644, 54.3284,

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

48.7644, 54.3284, 28.3383

Protanopia

50.2098, 54.4114, 27.9348

Deuteranopia

55.1924, 54.0532, 28.6434



Tritanopia

55.9141, 54.2753, 64.0291

Trichromacy



Original Color

48.7644, 54.3284, 28.3383

Protanomaly

49.5831, 54.4221, 27.9699

Deuteranomaly

52.5001, 53.9415, 28.4136

Tritanomaly

52.7618, 53.9515, 48.7071

Monochromacy



Original Color

48.7644, 54.3284, 28.3383

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9028, 52.7028, 44.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7644, 54.3284, 28.3383 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, 197, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 197, 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, 197, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 197, 128) }
```

Border

The CSS property to change the border of an element to XYZ 48.7644, 54.3284, 28.3383 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, 197, 128) }
```


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

```
.border{ border-color:rgb(204, 197, 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, 197, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 197, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 197, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 197,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7644, 54.3284, 28.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 197, 128) }
```

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

```
.background{ background-color: rgb(204,  
197, 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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