

Converting Colors

XYZ(48.8644, 48.3657, 19.9608)

Have a look what the booklet for
XYZ(48.8644, 48.3657, 19.9608)
contains.

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Color

**XYZ(48.6523, 48.1317,
19.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB168
RGB	223, 177, 104
RGB Percent	87%, 69%, 41%
CMY	0.1255, 0.3059, 0.5921
CMYK	0.00, 0.21, 0.53, 0.13
HSL	37°, 65%, 64%
HSV	37°, 53%, 87%
XYZ	48.6523, 48.1317, 19.8228
YIQ	182.4320, 50.8490, -12.9510

Conversions

Conversions Part 2

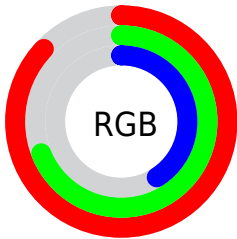
Format	Color
R_{YB}	179, 223, 104
Decimal	14659944
CIE _{Lab}	74.91, 8.12, 43.39
CIE _{LCh}	75, 44.139, 79.395
Yxy	48.1317, 0.4172, 0.4128
Android (android.graphics.Color)	4292850024 (0xFFDFB168)
YUV	182.4320, -38.6670, 35.5781
Hunter-Lab	69.3770, 3.7676, 31.6232

Details

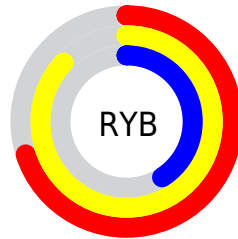
The XYZ color **48.6523, 48.1317, 19.8228** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.9342, 30.0824, 74.0407**, and the grayscale version is **44.8851, 47.2226, 51.4255**.

A 20% lighter version of the original color is **76.4647, 81.9721, 43.6904**, and **23.5165, 22.9329, 6.6771** is the 20% darker color. If you saturate the color by 10%, you get **46.0172, 44.4408, 14.0759**, and if you desaturate by 10%, it is **51.6968, 52.1621, 27.1846**.

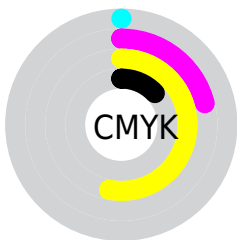
Distribution



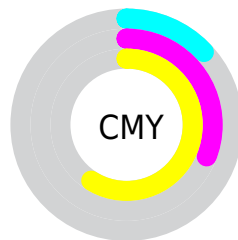
- Red (87%)
- Green (69%)
- Blue (41%)



- Red (70%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6523, 48.1317, 19.8228 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 48.6523, 48.1317, 19.8228 by changing the saturation by 10% instead.


 48.6523, 48.1317,
19.8228


 48.6523, 48.1317,
19.8228


371.9116,
379.3139, 263.5266


 34.5571, 33.9312,
12.0835


 87.3787, 87.4005,
43.9750


 23.4868, 22.8407,
6.6773


 112.7406,
113.2375, 61.2249

 15.0761, 14.4760,
3.1858


 142.5888,
143.7222, 82.4821

 8.9595, 8.4524,
1.1903

 177.2886,
179.2389, 108.1652

 4.7716, 4.3858,
0.0000

217.2055,
220.1720, 138.6926

 2.1473, 1.8916,
0.0000

262.7047,

 0.7147, 0.5433,

266.9060, 174.4830

0.0000

314.1516,
319.8251, 215.9548

■ 0.0000, 0.0000,
0.0000

■ 48.6523, 48.1317,
19.8228

■ 48.6523, 48.1317,
19.8228

■ 46.0172, 44.4408,
14.0759

■ 51.6968, 52.1621,
27.1846

■ 43.7618, 41.0689,
9.8132

■ 55.1707, 56.5376,
36.2725

■ 41.8574, 38.0031,
6.8879

■ 59.0964, 61.2719,
47.1911

■ 40.2681, 35.2256,
5.1214

■ 63.4939, 66.3760,
60.0357

■ 39.3497, 33.5246,
4.3969

■ 68.3817, 71.8600,
74.8950

■ 73.7771, 77.7338,
91.8522

■ 78.8642, 83.6736,
106.6018

■ 81.4249, 88.7949,
107.4553

■ 84.1072, 94.1595,
108.3494

Harmonies

Analogous

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



56.5652, 48.1317, 25.4675



48.6523, 48.1317, 19.8228



40.8036, 48.1317, 20.7556

Triad

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



48.6523, 48.1317, 19.8228



32.6599, 48.1317, 68.5279



58.5173, 48.1317, 86.8277

Complementary

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



48.6523, 48.1317, 19.8228



29.9342, 30.0824, 74.0407

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.



51.0760, 48.1317, 106.2458



48.6523, 48.1317, 19.8228



36.4056, 48.1317, 93.7208

Square

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



48.6523, 48.1317, 19.8228



32.1725, 48.1317, 44.6739



42.9611, 48.1317, 109.0839



62.6879, 48.1317, 60.9852

Rectangle

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



48.6523, 48.1317, 19.8228



36.6208, 48.1317, 25.0977



42.9611, 48.1317, 109.0839



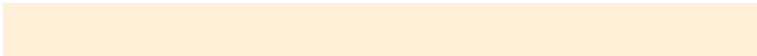
56.2776, 48.1317, 94.6091

Sweetspot

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



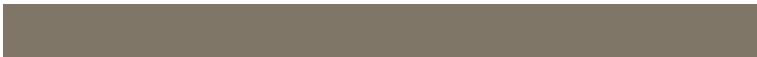
48.6535, 48.1340, 19.8238



84.3371, 87.9932, 76.2917



41.0168, 27.8430, 32.7472



17.7836, 18.5244, 15.5427



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.



48.6535, 48.1340, 19.8238



61.9953, 59.6938, 18.3340



55.7791, 67.6385, 23.2129



14.4037, 15.0934, 14.4609



23.2497, 19.9374, 2.6229



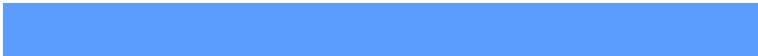
1.6976, 1.5540, 0.2105

Inverse Universe

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



29.9342, 30.0824, 74.0407



34.1449, 32.8874, 99.1560



25.4592, 18.9351, 72.1249



13.3843, 14.1076, 17.4053



9.8991, 7.2677, 41.9294



0.7711, 0.6737, 2.9346

Previews

White Background



This preview shows how the XYZ color 48.6523, 48.1317, 19.8228 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 48.6523, 48.1317, 19.8228 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 48.6523, 48.1317, 19.8228

Background



This preview shows how black text looks on a background with the XYZ color 48.6523, 48.1317, 19.8228.



This preview shows how white text looks on a background with the XYZ color 48.6523, 48.1317,

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

48.6523, 48.1317, 19.8228

Protanopia

44.3599, 48.3160, 20.8978

Deuteranopia

49.0754, 48.0577, 19.7862



Tritanopia

54.9762, 48.1645, 50.1152

Trichromacy



Original Color

48.6523, 48.1317, 19.8228

Protanomaly

45.9078, 48.1981, 20.5192

Deuteranomaly

48.7645, 47.8974, 19.7717

Tritanomaly

51.9912, 47.7566, 36.6147

Monochromacy



Original Color

48.6523, 48.1317, 19.8228

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1800, 46.8459, 37.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6523, 48.1317, 19.8228 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(223, 177, 104)` looks like.

```
.text, #text, p{  
    color:rgb(223, 177, 104)  
}
```

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(223, 177, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 177, 104) }
```

Border

The CSS property to change the border of an element to XYZ 48.6523, 48.1317, 19.8228 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(223, 177, 104) }
```


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

```
.border{ border-color:rgb(223, 177, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 177, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 177, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 177, 104);  
box-shadow:4px 4px 4px 4px rgb(223, 177,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6523, 48.1317, 19.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 177, 104) }
```

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

```
.background{ background-color: rgb(223,  
177, 104) }
```

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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