

Converting Colors

XYZ(48.0046, 48.1154, 19.6924)

Have a look what the booklet for
XYZ(48.0046, 48.1154, 19.6924)
contains.

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Color

**XYZ(47.8838, 48.0357,
19.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	DCB267
RGB	220, 178, 103
RGB Percent	86%, 70%, 40%
CMY	0.1373, 0.3019, 0.5961
CMYK	0.00, 0.19, 0.53, 0.14
HSL	38°, 63%, 63%
HSV	38°, 53%, 86%
XYZ	47.8838, 48.0357, 19.5800
YIQ	182.0080, 49.1070, -14.4210

Conversions

Conversions Part 2

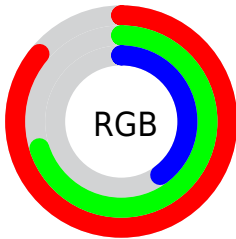
Format	Color
RYB	169, 220, 103
Decimal	14463591
CIELab	74.85, 6.27, 43.75
CIElCh	75, 44.192, 81.847
Yxy	48.0357, 0.4146, 0.4159
Android (android.graphics.Color)	4292653671 (0xFFDCB267)
YUV	182.0080, -38.9509, 33.3190
Hunter-Lab	69.3078, 2.0346, 31.7656

Details

The XYZ color **47.8838, 48.0357, 19.5800** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.6368, 28.3006, 71.6632**, and the grayscale version is **44.6556, 46.9811, 51.1624**.

A 20% lighter version of the original color is **76.6636, 82.5059, 43.3371**, and **23.0037, 22.8601, 6.5682** is the 20% darker color. If you saturate the color by 10%, you get **45.3956, 44.6002, 14.0011**, and if you desaturate by 10%, it is **50.7552, 51.7729, 26.7208**.

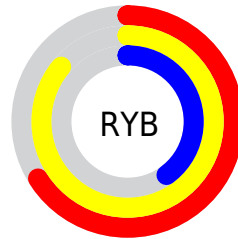
Distribution



Red (86%)

Green (70%)

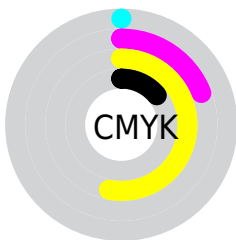
Blue (40%)



Red (66%)

Yellow (86%)

Blue (40%)

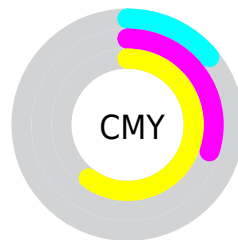


Cyan (0%)

Magenta (19%)

Yellow (53%)

Black (14%)



Cyan (14%)

Magenta (30%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8838, 48.0357, 19.5800 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 47.8838, 48.0357, 19.5800 by changing the saturation by 10% instead.

47.8838, 48.0357,
19.5800

47.8838, 48.0357,
19.5800

368.9216,
378.9336, 262.1608

33.9457, 33.8552,
11.9091

86.2421, 87.2576,
43.5616

23.0146, 22.7824,
6.5600

111.3931,
113.0677, 60.7093

14.7251, 14.4329,
3.1142

141.0124,
143.5231, 81.8530

8.7117, 8.4224,
1.1533

175.4654,
179.0082, 107.4113

4.6092, 4.3664,
0.0000

215.1175,
219.9074, 137.8027

2.0522, 1.8805,
0.0000

260.3340,

0.6630, 0.5366,

266.6051, 173.4457

0.0000

311.4802,
319.4857, 214.7589

■ 0.0000, 0.0000,
0.0000

■ 47.8838, 48.0357,
19.5800

■ 47.8838, 48.0357,
19.5800

■ 45.3956, 44.6002,
14.0011

■ 50.7552, 51.7729,
26.7208

■ 43.2625, 41.4471,
9.8579

■ 54.0288, 55.8163,
35.5306

■ 41.4570, 38.5650,
7.0092

■ 57.7258, 60.1784,
46.1102

■ 39.9451, 35.9376,
5.2833

■ 61.8652, 64.8690,
58.5517

■ 39.0452, 34.2757,
4.5580

■ 66.4645, 69.8975,
72.9406

■ 71.5401, 75.2724,
89.3572

■ 76.7836, 80.8726,
106.1708

■ 79.0730, 85.4513,
106.9339

■ 81.4636, 90.2326,
107.7308

Harmonies

Analogous

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



55.8868, 48.0357, 24.6428



47.8838, 48.0357, 19.5800



40.1423, 48.0357, 21.0337

Triad

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



47.8838, 48.0357, 19.5800



32.7594, 48.0357, 70.5673



58.9226, 48.0357, 84.6941

Complementary

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



47.8838, 48.0357, 19.5800



28.6368, 28.3006, 71.6632

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.



51.6538, 48.0357, 105.0926



47.8838, 48.0357, 19.5800



36.7577, 48.0357, 95.4098

Square

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



47.8838, 48.0357, 19.5800



32.0008, 48.0357, 46.2727



43.4993, 48.0357, 109.5033



62.7310, 48.0357, 58.8351

Rectangle

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



47.8838, 48.0357, 19.5800



36.1009, 48.0357, 25.7705



43.4993, 48.0357, 109.5033



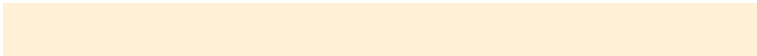
56.7650, 48.0357, 92.6967

Sweetspot

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



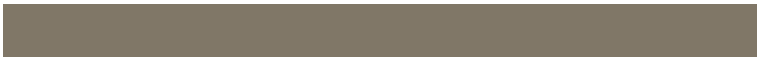
47.8850, 48.0380, 19.5810



84.6681, 88.6551, 76.4020



39.5462, 26.9888, 30.2789



17.8627, 18.6826, 15.5691



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.



47.8850, 48.0380, 19.5810



62.9984, 61.7000, 18.6683



53.0531, 65.0596, 22.5941



13.7487, 14.4367, 13.7875



23.0243, 20.3341, 2.7114



1.5721, 1.4782, 0.2025

Inverse Universe

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



28.6368, 28.3006, 71.6632



33.4103, 31.4184, 98.9112



25.3219, 18.7620, 69.9968



12.7193, 13.3783, 16.5640



9.3172, 6.5039, 40.5027



0.6836, 0.5813, 2.6506

Previews

White Background



This preview shows how the XYZ color 47.8838, 48.0357, 19.5800 looks on a white background.

Color Contrast Check

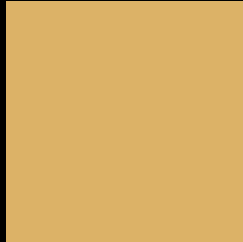
Large Text (above 18pt) WCAG AA × Fail

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 47.8838, 48.0357, 19.5800 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 47.8838, 48.0357, 19.5800

Background



This preview shows how black text looks on a background with the XYZ color 47.8838, 48.0357, 19.5800.



This preview shows how white text looks on a background with the XYZ color 47.8838, 48.0357,

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

47.8838, 48.0357, 19.5800

Protanopia

44.2559, 48.2744, 20.3500

Deuteranopia

49.0249, 48.0375, 19.5202



Tritanopia

54.3100, 48.0842, 50.6747

Trichromacy



Original Color

47.8838, 48.0357, 19.5800

Protanomaly

45.5211, 48.0107, 19.9645

Deuteranomaly

48.6017, 48.1115, 19.5568

Tritanomaly

51.2428, 47.6522, 36.6340

Monochromacy



Original Color

47.8838, 48.0357, 19.5800

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.0386, 47.0834, 36.8512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8838, 48.0357, 19.5800 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(220, 178, 103)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 103)  
}
```

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(220, 178, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 103) }
```

Border

The CSS property to change the border of an element to XYZ 47.8838, 48.0357, 19.5800 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(220, 178, 103) }
```


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

```
.border{ border-color:rgb(220, 178, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 178, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 103);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8838, 48.0357, 19.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 103) }
```

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

```
.background{ background-color: rgb(220,  
178, 103) }
```

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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