

Converting Colors

XYZ(48.5135, 47.7951, 20.8032)

Have a look what the booklet for
XYZ(48.5135, 47.7951, 20.8032)
contains.

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Color

**XYZ(48.3563, 47.6630,
20.8386)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB06C
RGB	222, 176, 108
RGB Percent	87%, 69%, 42%
CMY	0.1294, 0.3098, 0.5765
CMYK	0.00, 0.21, 0.51, 0.13
HSL	36°, 63%, 65%
HSV	36°, 51%, 87%
XYZ	48.3563, 47.6630, 20.8386
YIQ	182.0020, 49.2440, -11.3960

Conversions

Conversions Part 2

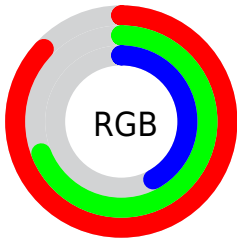
Format	Color
R_{YB}	185, 222, 108
Decimal	14594156
CIE _{Lab}	74.61, 8.59, 40.97
CIE _{LCh}	75, 41.861, 78.163
Yxy	47.6630, 0.4138, 0.4079
Android (android.graphics.Color)	4292784236 (0xFFDEB06C)
YUV	182.0020, -36.4830, 35.0782
Hunter-Lab	69.0384, 4.2089, 30.4307

Details

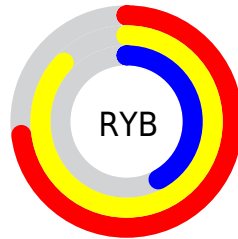
The XYZ color **48.3563, 47.6630, 20.8386** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.9242, 31.5719, 73.5710**, and the grayscale version is **44.6392, 46.9639, 51.1437**.

A 20% lighter version of the original color is **76.2489, 80.9850, 45.3311**, and **23.2812, 22.6133, 7.1407** is the 20% darker color. If you saturate the color by 10%, you get **45.6235, 43.8537, 14.8223**, and if you desaturate by 10%, it is **51.5081, 51.8290, 28.4795**.

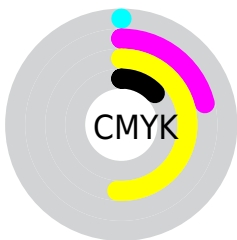
Distribution



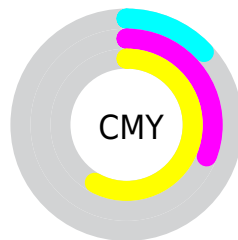
- Red (87%)
- Green (69%)
- Blue (42%)



- Red (73%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (51%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3563, 47.6630, 20.8386 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 48.3563, 47.6630, 20.8386 by changing the saturation by 10% instead.


 48.3563, 47.6630,
20.8386


 48.3563, 47.6630,
20.8386


370.7618,
377.4548, 269.1723

 34.3216, 33.5601,
12.8160


 86.9412, 86.7024,
45.6961


 23.3048, 22.5559,
7.1727


 112.2220,
112.4077, 63.3680

 14.9407, 14.2659,
3.4903


 141.9822,
142.7493, 85.0934

 8.8638, 8.3058,
1.3501

 176.5872,
178.1115, 111.2909

 4.7088, 4.2913,
0.1023

216.4023,
218.8788, 142.3790

 2.1105, 1.8378,
0.0000

261.7928,

 0.6949, 0.5106,

265.4355, 178.7763

0.0000

313.1242,
318.1660, 220.9012

■ 0.0000, 0.0000,
0.0000

■ 48.3563, 47.6630,
20.8386

■ 48.3563, 47.6630,
20.8386

■ 45.6235, 43.8537,
14.8223

■ 51.5081, 51.8290,
28.4795

■ 43.2808, 40.3804,
10.3044

■ 55.0984, 56.3575,
37.8528

■ 41.3003, 37.2302,
7.1442

■ 59.1496, 61.2626,
49.0601

■ 39.6476, 34.3857,
5.1726

■ 63.6812, 66.5553,
62.1945

■ 38.4339, 32.1493,
4.1797

■ 68.7116, 72.2462,
77.3425

■ 74.2578, 78.3453,
94.5856

■ 78.9539, 84.3092,
106.7197

■ 81.6372, 89.6758,
107.6142

■ 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



55.7293, 47.6630, 26.6077



48.3563, 47.6630, 20.8386



40.9115, 47.6630, 21.4939

Triad

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



48.3563, 47.6630, 20.8386



32.8234, 47.6630, 66.0177



57.0446, 47.6630, 84.9919

Complementary

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



48.3563, 47.6630, 20.8386



30.9242, 31.5719, 73.5710

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.



49.9964, 47.6630, 102.4834



48.3563, 47.6630, 20.8386



36.2644, 47.6630, 89.5959

Square

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



48.3563, 47.6630, 20.8386



32.4888, 47.6630, 43.8015



42.3796, 47.6630, 104.3705



61.1067, 47.6630, 60.9329

Rectangle

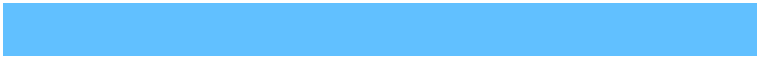
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3563, 47.6630, 20.8386



36.8845, 47.6630, 25.5217



42.3796, 47.6630, 104.3705



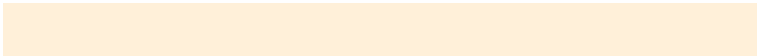
54.9121, 47.6630, 92.0924

Sweetspot

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



48.3575, 47.6653, 20.8395



84.7648, 88.3226, 78.0557



41.4454, 28.6385, 34.5748



17.8606, 18.5748, 15.8876



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.



48.3575, 47.6653, 20.8395



62.0702, 59.4757, 19.4933



56.1237, 67.3965, 24.2387



14.3837, 15.0534, 14.4543



22.9408, 19.3195, 2.5199



1.6772, 1.5133, 0.2037

Inverse Universe

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



30.9242, 31.5719, 73.5710



35.6594, 35.1365, 99.5103



25.9513, 19.8162, 71.5641



13.4037, 14.1466, 17.4118



10.0841, 7.6377, 41.9911



0.7851, 0.7016, 2.9393

Previews

White Background



This preview shows how the XYZ color 48.3563, 47.6630, 20.8386 looks on a white background.

Color Contrast Check

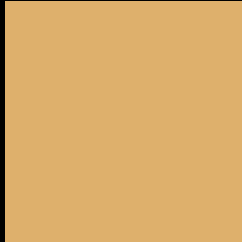
Large Text (above 18pt) WCAG AA × Fail

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 48.3563, 47.6630, 20.8386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

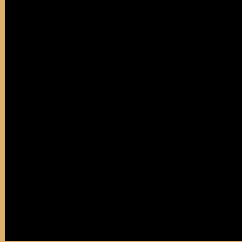
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3563, 47.6630, 20.8386

Background



This preview shows how black text looks on a background with the XYZ color 48.3563, 47.6630, 20.8386.



This preview shows how white text looks on a background with the XYZ color 48.3563, 47.6630,

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

48.3563, 47.6630, 20.8386

Protanopia

44.0971, 47.8462, 21.9500

Deuteranopia

48.4682, 47.4306, 20.7878



Tritanopia

54.0518, 47.4267, 49.4854

Trichromacy



Original Color

48.3563, 47.6630, 20.8386

Protanomaly

45.6328, 47.7288, 21.5593

Deuteranomaly

48.4682, 47.4306, 20.7878

Tritanomaly

51.5715, 47.2513, 36.9741

Monochromacy



Original Color

48.3563, 47.6630, 20.8386

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2636, 46.8794, 37.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3563, 47.6630, 20.8386 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(222, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(222, 176, 108)  
}
```

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(222, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 176, 108) }
```

Border

The CSS property to change the border of an element to XYZ 48.3563, 47.6630, 20.8386 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(222, 176, 108) }
```


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

```
.border{ border-color:rgb(222, 176, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 176, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 176, 108);  
box-shadow:4px 4px 4px 4px rgb(222, 176,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3563, 47.6630, 20.8386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 176, 108) }
```

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

```
.background{ background-color: rgb(222,  
176, 108) }
```

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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