

Converting Colors

XYZ(45.6854, 47.8263, 21.0763)

Have a look what the booklet for
XYZ(45.6854, 47.8263, 21.0763)
contains.

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Color

**XYZ(45.5251, 47.6858,
20.9922)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B56C
RGB	209, 181, 108
RGB Percent	82%, 71%, 42%
CMY	0.1804, 0.2902, 0.5765
CMYK	0.00, 0.13, 0.48, 0.18
HSL	43°, 52%, 62%
HSV	43°, 48%, 82%
XYZ	45.5251, 47.6858, 20.9922
YIQ	181.0500, 40.1210, -16.7670

Conversions

Conversions Part 2

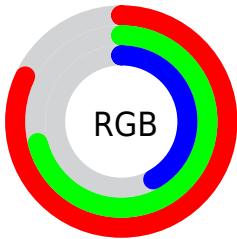
Format	Color
RYB	147, 209, 108
Decimal	13743468
CIELab	74.63, 0.58, 40.71
CIELCh	75, 40.717, 89.188
Yxy	47.6858, 0.3986, 0.4176
Android (android.graphics.Color)	4291933548 (0xFFD1B56C)
YUV	181.0500, -36.0137, 24.5121
Hunter-Lab	69.0549, -3.1683, 30.3147

Details

The XYZ color **45.5251, 47.6858, 20.9922** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.4967, 25.3989, 63.8272**, and the grayscale version is **44.1225, 46.4203, 50.5517**.

A 20% lighter version of the original color is **77.9572, 84.4016, 45.9006**, and **21.4318, 22.4192, 7.2008** is the 20% darker color. If you saturate the color by 10%, you get **43.3902, 44.9879, 15.4353**, and if you desaturate by 10%, it is **47.9779, 50.5929, 27.9714**.

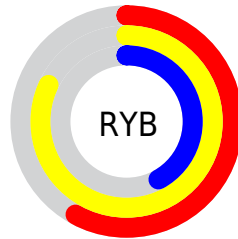
Distribution



Red (82%)

Green (71%)

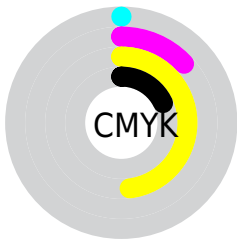
Blue (42%)



Red (58%)

Yellow (82%)

Blue (42%)

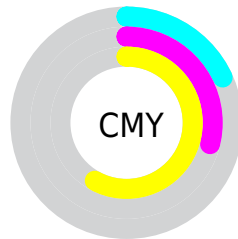


Cyan (0%)

Magenta (13%)

Yellow (48%)

Black (18%)



Cyan (18%)

Magenta (29%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5251, 47.6858, 20.9922 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 45.5251, 47.6858, 20.9922 by changing the saturation by 10% instead.

45.5251, 47.6858,
20.9922

45.5251, 47.6858,
20.9922

359.6441,
377.5454, 270.0167

32.0743, 33.5781,
12.9271

82.7400, 86.7364,
45.9552

21.5741, 22.5697,
7.2482

107.2349,
112.4481, 63.6901

13.6591, 14.2761,
3.5370

136.1417,
142.7967, 85.4855

7.9641, 8.3129,
1.3750

169.8260,
178.1664, 111.7597

4.1236, 4.2958,
0.1221

208.6530,
218.9418, 142.9315

1.7723, 1.8404,
0.0000

252.9881,

0.5009, 0.5122,

265.5071, 179.4192

0.0000

303.1967,
318.2468, 221.6414

■ 0.0000, 0.0000,
0.0000

■ 45.5251, 47.6858,
20.9922

■ 45.5251, 47.6858,
20.9922

■ 43.3902, 44.9879,
15.4353

■ 47.9779, 50.5929,
27.9714

■ 41.5499, 42.4834,
11.1958

■ 50.7632, 53.7104,
36.4623

■ 39.9826, 40.1646,
8.1585

■ 53.8987, 57.0483,
46.5499

■ 38.6620, 38.0200,
6.1871

■ 57.3997, 60.6134,
58.3125

■ 37.5484, 36.0327,
5.0766

■ 61.2807, 64.4126,
71.8228

■ 37.3723, 35.7111,
4.9232

■ 65.5550, 68.4519,
87.1495

■ 70.2356, 72.7374,
104.3574

■ 71.9090, 75.9045,
105.4688

■ 73.5234, 79.1334,
106.0069

Harmonies

Analogous

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



52.9782, 47.6858, 24.2807



45.5251, 47.6858, 20.9922



38.7575, 47.6858, 23.9358

Triad

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



45.5251, 47.6858, 20.9922



34.0424, 47.6858, 74.3387



58.6186, 47.6858, 75.6117

Complementary

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



45.5251, 47.6858, 20.9922



26.4967, 25.3989, 63.8272

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.



52.5930, 47.6858, 96.0311



45.5251, 47.6858, 20.9922



38.4449, 47.6858, 95.1668

Square

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



45.5251, 47.6858, 20.9922



32.5781, 47.6858, 51.3485



45.1233, 47.6858, 104.0015



61.0238, 47.6858, 52.4992

Rectangle

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



45.5251, 47.6858, 20.9922



35.4210, 47.6858, 29.6545



45.1233, 47.6858, 104.0015



56.9193, 47.6858, 83.2255

Sweetspot

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



45.5263, 47.6880, 20.9932



86.7499, 91.7586, 80.3641



36.1451, 26.0760, 26.6516



18.3168, 19.3822, 16.3637



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.



45.5263, 47.6880, 20.9932



67.9472, 70.4198, 23.9487



46.0293, 57.2629, 22.8148



12.5149, 13.2204, 12.5042



23.1292, 22.1915, 3.0643



1.3580, 1.3703, 0.1929

Inverse Universe

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



26.4967, 25.3989, 63.8272



34.7301, 31.5613, 98.8692



26.0596, 20.0657, 62.8208



11.4266, 11.9435, 14.9467



8.0984, 4.8434, 37.7005



0.5200, 0.4052, 2.1304

Previews

White Background



This preview shows how the XYZ color 45.5251, 47.6858, 20.9922 looks on a white background.

Color Contrast Check

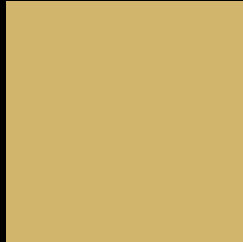
Large Text (above 18pt) WCAG AA × Fail

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 45.5251, 47.6858, 20.9922 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

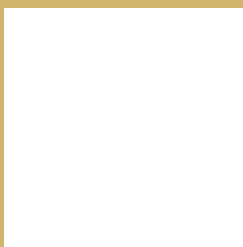
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5251, 47.6858, 20.9922

Background



This preview shows how black text looks on a background with the XYZ color 45.5251, 47.6858, 20.9922.

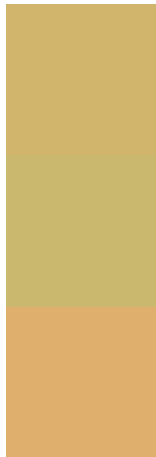


This preview shows how white text looks on a background with the XYZ color 45.5251, 47.6858,

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

45.5251, 47.6858, 20.9922

Protanopia

43.9882, 47.8026, 21.3764

Deuteranopia

48.5217, 47.4520, 21.0698



Tritanopia

51.8284, 47.6068, 52.3563

Trichromacy



Original Color

45.5251, 47.6858, 20.9922

Protanomaly

44.5956, 47.8085, 21.3455

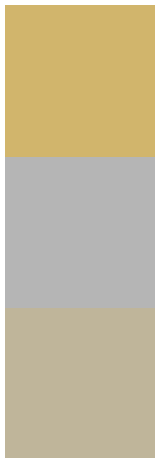
Deuteranomaly

47.3959, 47.4538, 21.1295

Tritanomaly

48.8563, 47.2404, 38.4416

Monochromacy



Original Color

45.5251, 47.6858, 20.9922

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.8425, 46.4572, 37.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5251, 47.6858, 20.9922 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(209, 181, 108)` looks like.

```
.text, #text, p{  
    color:rgb(209, 181, 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(209, 181, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 181, 108) }
```

Border

The CSS property to change the border of an element to XYZ 45.5251, 47.6858, 20.9922 is called "border". The border property can be set on classes, ids or directly on the HTML element.

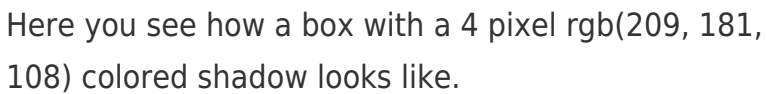
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 181, 108) }
```


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

```
.border{ border-color:rgb(209, 181, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 181, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 181, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 181, 108); box-shadow:4px 4px 4px 4px rgb(209, 181, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5251, 47.6858, 20.9922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 181, 108) }
```

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

```
.background{ background-color: rgb(209,  
181, 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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