

Converting Colors

XYZ(46.1928, 45.4096, 20.6862)

Have a look what the booklet for
XYZ(46.1928, 45.4096, 20.6862)
contains.

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Color

**XYZ(46.1281, 45.3609,
20.7923)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AC6D
RGB	217, 172, 109
RGB Percent	85%, 67%, 43%
CMY	0.1490, 0.3255, 0.5725
CMYK	0.00, 0.21, 0.50, 0.15
HSL	35°, 59%, 64%
HSV	35°, 50%, 85%
XYZ	46.1281, 45.3609, 20.7923
YIQ	178.2730, 47.0430, -10.0530

Conversions

Conversions Part 2

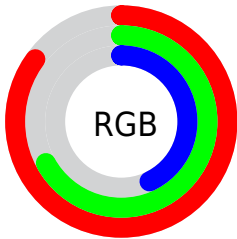
Format	Color
RYB	186, 217, 109
Decimal	14265453
CIELab	73.13, 8.75, 38.50
CIELCh	73, 39.481, 77.194
Yxy	45.3609, 0.4108, 0.4040
Android (android.graphics.Color)	4292455533 (0xFFD9AC6D)
YUV	178.2730, -34.1516, 33.9636
Hunter-Lab	67.3505, 4.3906, 28.8415

Details

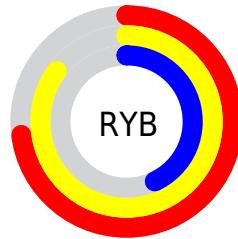
The XYZ color **46.1281, 45.3609, 20.7923** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.3861, 31.3708, 70.0990**, and the grayscale version is **42.6203, 44.8399, 48.8307**.

A 20% lighter version of the original color is **75.2307, 78.8068, 45.4286**, and **22.0293, 21.2328, 7.2122** is the 20% darker color. If you saturate the color by 10%, you get **43.4388, 41.6267, 14.8269**, and if you desaturate by 10%, it is **49.2250, 49.4489, 28.3171**.

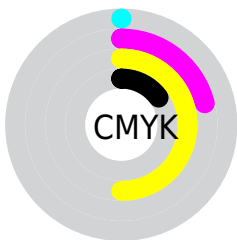
Distribution



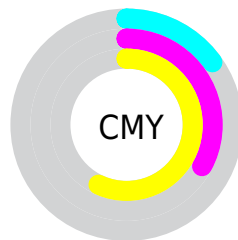
- Red (85%)
- Green (67%)
- Blue (43%)



- Red (73%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (50%)
- Black (15%)





- Cyan (15%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1281, 45.3609, 20.7923 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 46.1281, 45.3609, 20.7923 by changing the saturation by 10% instead.


 46.1281, 45.3609,
20.7923


 46.1281, 45.3609,
20.7923


362.0307,
368.2333, 268.9173


 32.5520, 31.7418,
12.7825


 83.6374, 83.2617,
45.6179


 21.9410, 21.1644,
7.1500


 108.3012,
108.3122, 63.2708

 13.9299, 13.2442,
3.4762


 137.3917,
137.9420, 84.9751

 8.1533, 7.5969,
1.3426

 171.2741,
172.5353, 111.1494

 4.2458, 3.8381,
0.0964

210.3139,
212.4768, 142.2123

 1.8421, 1.5834,
0.0000

254.8763,

 0.5429, 0.3464,

258.1506, 178.5822

0.0000

305.3268,
309.9413, 220.6777

■ 0.0000, 0.0000,
0.0000

■ 46.1281, 45.3609,
20.7923

■ 46.1281, 45.3609,
20.7923

■ 43.4388, 41.6267,
14.8269

■ 49.2250, 49.4489,
28.3171

■ 41.1300, 38.2266,
10.3036

■ 52.7479, 53.8964,
37.5015

■ 39.1756, 35.1481,
7.0927


■ 56.7179, 58.7172,
48.4406


■ 37.5441, 32.3746,
5.0394


■ 61.1533, 63.9220,
61.2213


■ 36.1818, 29.8806,
3.8750


■ 66.0716, 69.5210,
75.9248

 36.1521, 29.8256,
3.8515

 71.4892, 75.5240,
92.6273

 76.4566, 81.5545,
106.3196

 79.1154, 86.8722,
107.2059

 81.9077, 92.4568,
108.1367

Harmonies

Analogous

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



52.7921, 45.3609, 26.3949



46.1281, 45.3609, 20.7923



39.3030, 45.3609, 21.2189

Triad

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



46.1281, 45.3609, 20.7923



31.6217, 45.3609, 61.5198



53.6200, 45.3609, 80.0375

Complementary

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



46.1281, 45.3609, 20.7923



30.3861, 31.3708, 70.0990

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.



47.1640, 45.3609, 95.4136



46.1281, 45.3609, 20.7923



34.6978, 45.3609, 82.9146

Square

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



46.1281, 45.3609, 20.7923



31.4080, 45.3609, 41.4237



40.2345, 45.3609, 96.5885



57.4182, 45.3609, 58.3179

Rectangle

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



46.1281, 45.3609, 20.7923



35.5676, 45.3609, 24.8482



40.2345, 45.3609, 96.5885



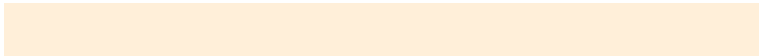
51.6591, 45.3609, 86.3452

Sweetspot

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



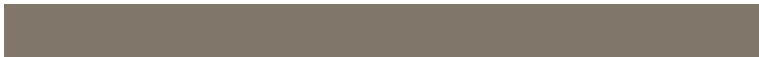
46.1292, 45.3631, 20.7932



84.6172, 88.0274, 78.0065



39.9168, 28.0225, 33.8773



17.8250, 18.5036, 15.8757



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.



46.1292, 45.3631, 20.7932



62.3253, 59.5933, 20.7881



53.5855, 64.1396, 24.0244



13.6839, 14.3072, 13.7659



21.9912, 18.2681, 2.3670



1.5091, 1.3522, 0.1815

Inverse Universe

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



30.3861, 31.3708, 70.0990



37.1190, 37.2237, 99.8363



25.4646, 19.7991, 68.1249



12.7822, 13.5041, 16.5850



9.9146, 7.6987, 40.7018



0.7261, 0.6664, 2.6648

Previews

White Background



This preview shows how the XYZ color 46.1281, 45.3609, 20.7923 looks on a white background.

Color Contrast Check

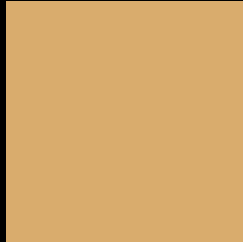
Large Text (above 18pt) WCAG AA × Fail

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 46.1281, 45.3609, 20.7923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

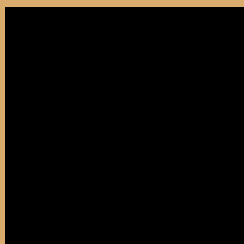
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1281, 45.3609, 20.7923

Background



This preview shows how black text looks on a background with the XYZ color 46.1281, 45.3609, 20.7923.

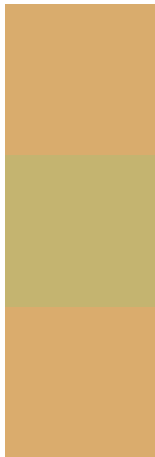


This preview shows how white text looks on a background with the XYZ color 46.1281, 45.3609,

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

46.1281, 45.3609, 20.7923

Protanopia

42.0108, 45.5481, 21.9067

Deuteranopia

46.4263, 45.5146, 20.8063



Tritanopia

51.5434, 45.3735, 47.1156

Trichromacy



Original Color

46.1281, 45.3609, 20.7923

Protanomaly

43.4932, 45.4293, 21.5153

Deuteranomaly

46.4263, 45.5146, 20.8063

Tritanomaly

49.3050, 45.2766, 35.8464

Monochromacy



Original Color

46.1281, 45.3609, 20.7923

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.0133, 44.5570, 36.4703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1281, 45.3609, 20.7923 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(217, 172, 109)` looks like.

```
.text, #text, p{  
    color:rgb(217, 172, 109)  
}
```

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(217, 172, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 172, 109) }
```

Border

The CSS property to change the border of an element to XYZ 46.1281, 45.3609, 20.7923 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(217, 172, 109) }
```


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

```
.border{ border-color:rgb(217, 172, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 172, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 172, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 172, 109);  
box-shadow:4px 4px 4px 4px rgb(217, 172,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1281, 45.3609, 20.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 172, 109) }
```

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

```
.background{ background-color: rgb(217,  
172, 109) }
```

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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