

Converting Colors

XYZ(41.2615, 46.7817, 6.8551)

Have a look what the booklet for
XYZ(41.2615, 46.7817, 6.8551)
contains.

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Color

**XYZ(41.2279, 46.6985,
6.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B800
RGB	201, 184, 0
RGB Percent	79%, 72%, 0%
CMY	0.2118, 0.2784, 0.9999
CMYK	0.00, 0.08, 1.00, 0.21
HSL	55°, 100%, 39%
HSV	55°, 100%, 79%
XYZ	41.2279, 46.6985, 6.8408
YIQ	168.1070, 69.1960, -53.6200

Conversions

Conversions Part 2

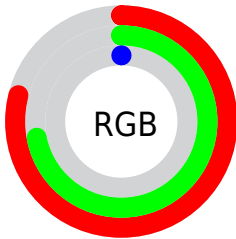
Format	Color
R_{YB}	19, 201, 0
Decimal	13219840
CIE _{Lab}	74.00, -9.43, 75.66
CIE _{LCh}	74, 76.243, 97.102
Yxy	46.6985, 0.4350, 0.4928
Android (android.graphics.Color)	4291409920 (0xFFC9B800)
YUV	168.1070, -82.8768, 28.8472
Hunter-Lab	68.3363, -11.8979, 41.9002

Details

The XYZ color **41.2279, 46.6985, 6.8408** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **10.7435, 4.6185, 55.5831**, and the grayscale version is **37.6450, 39.6055, 43.1304**.

A 20% lighter version of the original color is **73.8853, 84.1743, 20.1377**, and **19.2716, 21.9834, 3.2275** is the 20% darker color. If you saturate the color by 10%, you get **41.2285, 46.7000, 6.8410**, and if you desaturate by 10%, it is **41.7114, 47.4620, 7.6301**.

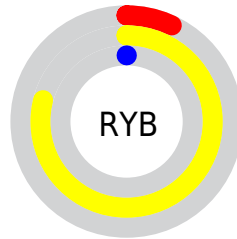
Distribution



Red (79%)

Green (72%)

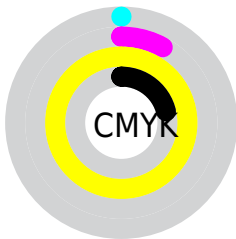
Blue (0%)



Red (7%)

Yellow (79%)

Blue (0%)

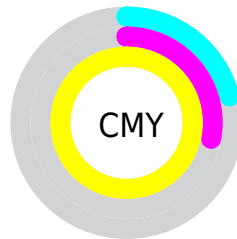


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2279, 46.6985, 6.8408 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 41.2279, 46.6985, 6.8408 by changing the saturation by 10% instead.

41.2279, 46.6985,
6.8408

41.2279, 46.6985,
6.8408

342.3186,
373.6098, 175.9147

28.6857, 32.7974,
3.2858

76.3023, 85.2634,
20.1596

18.9862, 21.9713,
1.2424

99.5651, 110.6960,
30.7605

11.7643, 13.8358,
0.0138

127.1322,
140.7411, 44.5471

6.6544, 8.0065,
0.0000

159.3688,
175.7833, 61.9379

3.2913, 4.0991,
0.0000

196.6404,
216.2068, 83.3516

1.3096, 1.7292,
0.0000

239.3124,

0.1904, 0.4424,

262.3962, 109.2066

0.0000

287.7499,
314.7357, 139.9214

■ 0.0000, 0.0000,
0.0000

■ 41.2279, 46.6985,
6.8408

■ 41.2279, 46.6985,
6.8408

■ 41.2285, 46.7000,
6.8410

■ 41.7114, 47.4620,
7.6301

■ 42.3303, 48.2847,
9.1160

■ 43.1313, 49.1871,
11.5403

■ 44.1388, 50.1789,
15.0302

■ 45.3731, 51.2683,
19.6934

■ 46.8521, 52.4625,
25.6242

■ 48.5920, 53.7680,
32.9074

■ 50.6076, 55.1907,
41.6206

■ 52.9123, 56.7360,
51.8354

Harmonies

Analogous

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



55.3673, 46.6985, 8.3383



41.2279, 46.6985, 6.8408



30.3960, 46.6985, 11.4341

Triad

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



41.2279, 46.6985, 6.8408



26.6133, 46.6985, 110.7864



73.1230, 46.6985, 85.9415

Complementary

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



41.2279, 46.6985, 6.8408



10.7435, 4.6185, 55.5831

Split Complementary

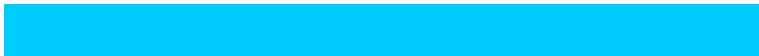
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.1187, 46.6985, 137.1140



41.2279, 46.6985, 6.8408



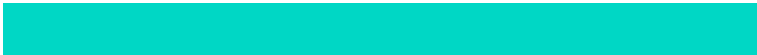
34.9613, 46.6985, 155.8616

Square

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



41.2279, 46.6985, 6.8408



23.1509, 46.6985, 60.6876



47.7004, 46.6985, 167.3847



75.7506, 46.6985, 42.1317

Rectangle

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



41.2279, 46.6985, 6.8408



25.8380, 46.6985, 20.0347



47.7004, 46.6985, 167.3847



70.1857, 46.6985, 103.3886

Sweetspot

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



41.2290, 46.7007, 6.8417



83.0573, 91.9566, 55.7550



24.2148, 12.4688, 1.7978



17.4949, 19.4736, 10.7398



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.



41.2290, 46.7007, 6.8417



70.5032, 79.7864, 11.6844



28.7169, 45.8097, 7.3292



11.4442, 12.2576, 11.3255



25.9562, 29.4295, 4.3124



1.2522, 1.4398, 0.2119

Inverse Universe

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



10.7435, 4.6185, 55.5831



18.3286, 7.7772, 95.1429



13.8859, 5.9409, 55.6727



10.1276, 10.4292, 13.3968



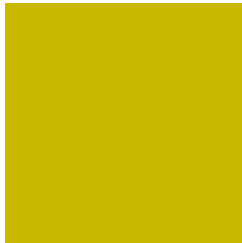
6.7832, 2.9602, 34.9582



0.3466, 0.1911, 1.6638

Previews

White Background



This preview shows how the XYZ color 41.2279, 46.6985, 6.8408 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 41.2279, 46.6985, 6.8408 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 41.2279, 46.6985, 6.8408

Background



This preview shows how black text looks on a background with the XYZ color 41.2279, 46.6985, 6.8408.

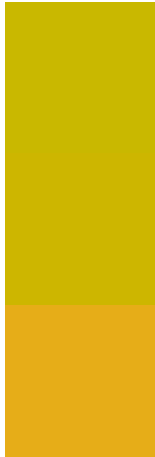


This preview shows how white text looks on a background with the XYZ color 41.2279, 46.6985,

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

41.2279, 46.6985, 6.8408

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.7416, 46.7761, 7.3766



Tritanopia

50.3660, 46.5836, 51.6844

Trichromacy



Original Color

41.2279, 46.6985, 6.8408

Protanomaly

41.8353, 46.7043, 6.8099

Deuteranomaly

45.0218, 46.5388, 7.0619

Tritanomaly

44.7486, 45.7449, 23.3008

Monochromacy



Original Color

41.2279, 46.6985, 6.8408

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6123, 41.0369, 19.9012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2279, 46.6985, 6.8408 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(201, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 184, 0)  
}
```

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(201, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2279, 46.6985, 6.8408 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(201, 184, 0) }
```


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

```
.border{ border-color:rgb(201, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2279, 46.6985, 6.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 184, 0) }
```

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

```
.background{ background-color: rgb(201,  
184, 0) }
```

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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