

Converting Colors

XYZ(41.4024, 48.5603, 3.5189)

Have a look what the booklet for
XYZ(41.4024, 48.5603, 3.5189)
contains.

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Color

**XYZ(42.0170, 48.6746,
7.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	C8BD00
RGB	200, 189, 0
RGB Percent	78%, 74%, 0%
CMY	0.2157, 0.2588, 0.9999
CMYK	0.00, 0.05, 1.00, 0.22
HSL	57°, 100%, 39%
HSV	57°, 100%, 78%
XYZ	42.0170, 48.6746, 7.1806
YIQ	170.7430, 67.2250, -56.4470

Conversions

Conversions Part 2

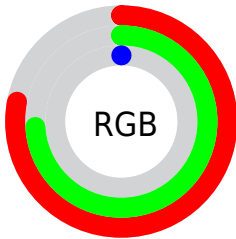
Format	Color
RYB	12, 200, 0
Decimal	13155584
CIELab	75.25, -12.42, 76.52
CIELCh	75, 77.523, 99.221
Yxy	48.6746, 0.4293, 0.4973
Android (android.graphics.Color)	4291345664 (0xFFC8BD00)
YUV	170.7430, -84.1763, 25.6584
Hunter-Lab	69.7672, -14.5917, 42.7348

Details

The XYZ color **42.0170, 48.6746, 7.1806** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **10.5453, 4.4099, 54.9384**, and the grayscale version is **38.9674, 40.9968, 44.6455**.

A 20% lighter version of the original color is **75.4154, 87.1740, 20.8341**, and **19.7887, 23.2710, 3.4488** is the 20% darker color. If you saturate the color by 10%, you get **42.0177, 48.6764, 7.1809**, and if you desaturate by 10%, it is **42.3819, 49.2023, 7.9260**.

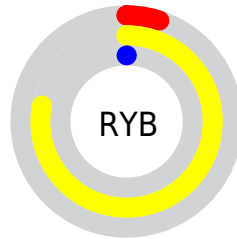
Distribution



Red (78%)

Green (74%)

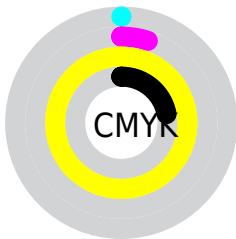
Blue (0%)



Red (5%)

Yellow (78%)

Blue (0%)

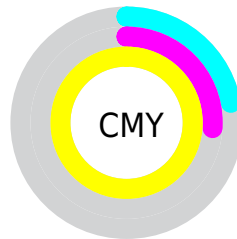


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0170, 48.6746, 7.1806 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 42.0170, 48.6746, 7.1806 by changing the saturation by 10% instead.

■ 42.0170, 48.6746,
7.1806

■ 42.0170, 48.6746,
7.1806

345.5438,
381.4599, 178.8435

■ 29.3058, 34.3614,
3.4951

■ 77.4904, 88.2080,
20.8546

■ 19.4577, 23.1714,
1.3527

■ 100.9832,
114.1970, 31.6803

■ 12.1074, 14.7201,
0.1044

■ 128.8006,
144.8467, 45.7231

■ 6.8896, 8.6232,
0.0000

■ 161.3080,
180.5415, 63.4017

■ 3.4389, 4.4962,
0.0000

■ 198.8706,
221.6658, 85.1344

■ 1.3899, 1.9548,
0.0000

■ 241.8539,

■ 0.2490, 0.5810,

268.6041, 111.3400

0.0000

290.6232,
321.7406, 142.4368

■ 0.0000, 0.0000,
0.0000

■ 42.0170, 48.6746,
7.1806

■ 42.0170, 48.6746,
7.1806

■ 42.0177, 48.6764,
7.1809

■ 42.3819, 49.2023,
7.9260

■ 42.8780, 49.7835,
9.3586

■ 43.5518, 50.4386,
11.7180

■ 44.4272, 51.1773,
15.1300

■ 45.5243, 52.0076,
19.7008

■ 46.8609, 52.9365,
25.5236

■ 48.4529, 53.9705,
32.6822

■ 50.3148, 55.1154,
41.2532

■ 52.4600, 56.3765,
51.3073

Harmonies

Analogous

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



56.6631, 48.6746, 8.3125



42.0170, 48.6746, 7.1806



31.0322, 48.6746, 12.5246

Triad

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



42.0170, 48.6746, 7.1806



28.1420, 48.6746, 119.5766



76.8436, 48.6746, 85.9344

Complementary

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



42.0170, 48.6746, 7.1806



10.5453, 4.4099, 54.9384

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.



65.8070, 48.6746, 139.8127



42.0170, 48.6746, 7.1806



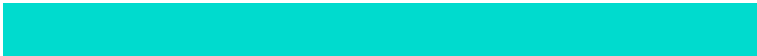
37.2216, 48.6746, 165.1783

Square

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



42.0170, 48.6746, 7.1806



24.1739, 48.6746, 66.5706



50.7874, 48.6746, 174.0450



78.8607, 48.6746, 41.4089

Rectangle

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



42.0170, 48.6746, 7.1806



26.5160, 48.6746, 22.1663



50.7874, 48.6746, 174.0450



73.9716, 48.6746, 104.0492

Sweetspot

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



42.0181, 48.6769, 7.1816



83.7592, 93.3606, 55.9890



23.8943, 12.3097, 1.5094



17.6655, 19.8150, 10.7967



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.



42.0181, 48.6769, 7.1816



72.6899, 84.1599, 12.4133



27.5083, 44.8416, 7.2060



11.4720, 12.3132, 11.3348



26.7386, 30.9943, 4.5732



1.2817, 1.4988, 0.2217

Inverse Universe

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



10.5453, 4.4099, 54.9384



18.2073, 7.5346, 95.1024



14.3259, 6.1813, 55.0811



10.1027, 10.3795, 13.3885



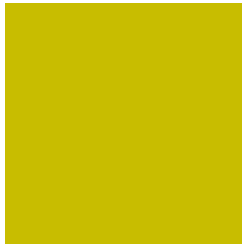
6.7262, 2.8463, 34.9392



0.3352, 0.1682, 1.6599

Previews

White Background



This preview shows how the XYZ color 42.0170, 48.6746, 7.1806 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 42.0170, 48.6746, 7.1806 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 42.0170, 48.6746, 7.1806

Background



This preview shows how black text looks on a background with the XYZ color 42.0170, 48.6746, 7.1806.



This preview shows how white text looks on a background with the XYZ color 42.0170, 48.6746,

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

42.0170, 48.6746, 7.1806

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.6435, 48.6177, 7.7449



Tritanopia

51.8620, 48.7218, 54.8149

Trichromacy



Original Color

42.0170, 48.6746, 7.1806

Protanomaly

43.2239, 48.6625, 7.1146

Deuteranomaly

46.7493, 48.6178, 7.4505

Tritanomaly

45.9265, 47.8137, 24.5777

Monochromacy



Original Color

42.0170, 48.6746, 7.1806

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9721, 42.8900, 20.7453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0170, 48.6746, 7.1806 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(200, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 189, 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(200, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.0170, 48.6746, 7.1806 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(200, 189, 0) }
```


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

```
.border{ border-color:rgb(200, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 189,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0170, 48.6746, 7.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 189, 0) }
```

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

```
.background{ background-color: rgb(200,  
189, 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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