

Converting Colors

XYZ(41.6579, 46.0588, 5.8386)

Have a look what the booklet for
XYZ(41.6579, 46.0588, 5.8386)
contains.

XYZ(41.7007, 46.0269, 6.6862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.7007, 46.0269,
6.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB500
RGB	205, 181, 0
RGB Percent	80%, 71%, 0%
CMY	0.1961, 0.2902, 0.9999
CMYK	0.00, 0.12, 1.00, 0.20
HSL	53°, 100%, 40%
HSV	53°, 100%, 80%
XYZ	41.7007, 46.0269, 6.6862
YIQ	167.5420, 72.4050, -51.2030

Conversions

Conversions Part 2

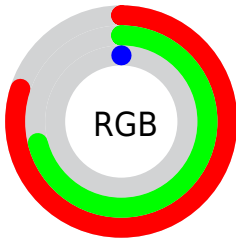
Format	Color
RYB	27, 205, 0
Decimal	13481216
CIELab	73.56, -6.12, 75.51
CIELCh	74, 75.761, 94.630
Yxy	46.0269, 0.4417, 0.4875
Android (android.graphics.Color)	4291671296 (0xFFCDB500)
YUV	167.5420, -82.5982, 32.8507
Hunter-Lab	67.8431, -9.0080, 41.6469

Details

The XYZ color **41.7007, 46.0269, 6.6862** 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 **11.3464, 5.0616, 58.1360**, and the grayscale version is **37.3639, 39.3098, 42.8084**.

A 20% lighter version of the original color is **72.6834, 81.8301, 19.5534**, and **19.7043, 21.8115, 3.1715** is the 20% darker color. If you saturate the color by 10%, you get **41.7012, 46.0282, 6.6864**, and if you desaturate by 10%, it is **42.3247, 47.0658, 7.5401**.

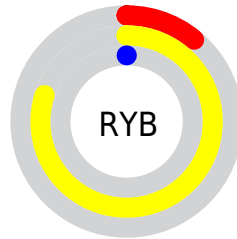
Distribution



Red (80%)

Green (71%)

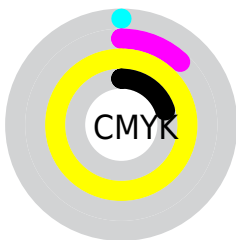
Blue (0%)



Red (11%)

Yellow (80%)

Blue (0%)

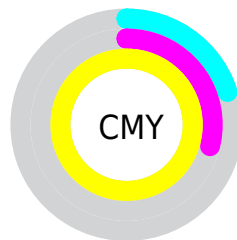


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7007, 46.0269, 6.6862 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 41.7007, 46.0269, 6.6862 by changing the saturation by 10% instead.

41.7007, 46.0269,
6.6862

41.7007, 46.0269,
6.6862

344.2535,
370.9168, 174.5610

29.0571, 32.2670,
3.1912

77.0145, 84.2593,
19.8411

19.2685, 21.5656,
1.1931

100.4153,
109.5005, 30.3381

11.9696, 13.5380,
0.0000

128.1326,
139.3378, 44.0061

6.7950, 7.8001,
0.0000

160.5317,
174.1553, 61.2637

3.3794, 3.9673,
0.0000

197.9780,
214.3376, 82.5294

1.3575, 1.6553,
0.0000

240.8369,

0.2256, 0.3944,

260.2690, 108.2219

0.0000

289.4736,
312.3340, 138.7596

■ 0.0000, 0.0000,
0.0000

■ 41.7007, 46.0269,
6.6862

■ 41.7007, 46.0269,
6.6862

■ 41.7012, 46.0282,
6.6864

■ 42.3247, 47.0658,
7.5401

■ 43.0950, 48.1749,
9.1268

■ 44.0598, 49.3754,
11.6966

■ 45.2448, 50.6776,
15.3833

■ 46.6714, 52.0901,
20.3000

■ 48.3584, 53.6206,
26.5458

■ 50.3228, 55.2759,
34.2097

■ 52.5802, 57.0623,
43.3731

■ 55.1447, 58.9855,
54.1112

Harmonies

Analogous

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



55.7364, 46.0269, 8.6460



41.7007, 46.0269, 6.6862



30.6822, 46.0269, 10.6258

Triad

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



41.7007, 46.0269, 6.6862



25.7923, 46.0269, 104.8074



71.3900, 46.0269, 88.8288

Complementary

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



41.7007, 46.0269, 6.6862



11.3464, 5.0616, 58.1360

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.



60.0769, 46.0269, 138.6105



41.7007, 46.0269, 6.6862



33.6138, 46.0269, 150.6779

Square

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



41.7007, 46.0269, 6.6862



22.7694, 46.0269, 56.3093



45.8596, 46.0269, 165.4531



74.7683, 46.0269, 44.3934

Rectangle

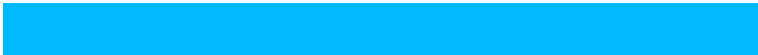
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7007, 46.0269, 6.6862



25.9265, 46.0269, 18.3958



45.8596, 46.0269, 165.4531



68.2899, 46.0269, 106.0872

Sweetspot

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



41.7017, 46.0291, 6.6871



82.2958, 90.4337, 55.5012



25.3787, 13.0602, 2.2415



17.3100, 19.1040, 10.6782



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.



41.7017, 46.0291, 6.6871



68.2062, 75.1925, 10.9187



31.0125, 48.3954, 7.7072



12.0374, 12.8637, 11.9279



26.0062, 28.7454, 4.1777



1.3741, 1.5479, 0.2264

Inverse Universe

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



11.3464, 5.0616, 58.1360



18.5104, 8.1409, 95.2035



13.9351, 5.9112, 58.1636



10.7058, 11.0520, 14.1394



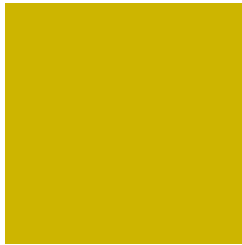
7.0997, 3.2235, 36.2043



0.4025, 0.2388, 1.8798

Previews

White Background



This preview shows how the XYZ color 41.7007, 46.0269, 6.6862 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 41.7007, 46.0269, 6.6862 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 41.7007, 46.0269, 6.6862

Background



This preview shows how black text looks on a background with the XYZ color 41.7007, 46.0269, 6.6862.



This preview shows how white text looks on a background with the XYZ color 41.7007, 46.0269,

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

41.7007, 46.0269, 6.6862

Protanopia

41.4421, 45.8917, 6.7599

Deuteranopia

46.7026, 45.6777, 7.1142



Tritanopia

50.3675, 45.7885, 49.8995

Trichromacy



Original Color

41.7007, 46.0269, 6.6862

Protanomaly

41.4367, 45.8895, 6.7310

Deuteranomaly

44.9244, 45.9073, 6.9087

Tritanomaly

44.9021, 44.9738, 22.5339

Monochromacy



Original Color

41.7007, 46.0269, 6.6862

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6535, 40.7724, 19.8479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7007, 46.0269, 6.6862 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(205, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 181, 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(205, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.7007, 46.0269, 6.6862 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(205, 181, 0) }
```


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

```
.border{ border-color:rgb(205, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7007, 46.0269, 6.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 181, 0) }
```

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

```
.background{ background-color: rgb(205,  
181, 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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