

Converting Colors

XYZ(41.2620, 45.1704, 7.8129)

Have a look what the booklet for
XYZ(41.2620, 45.1704, 7.8129)
contains.

XYZ(41.2693, 45.1765, 7.8411)	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(41.2693, 45.1765,
7.8411)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB31F
RGB	204, 179, 31
RGB Percent	80%, 70%, 12%
CMY	0.2000, 0.2980, 0.8784
CMYK	0.00, 0.12, 0.85, 0.20
HSL	51°, 74%, 46%
HSV	51°, 85%, 80%
XYZ	41.2693, 45.1765, 7.8411
YIQ	169.6030, 62.4080, -40.7280

Conversions

Conversions Part 2

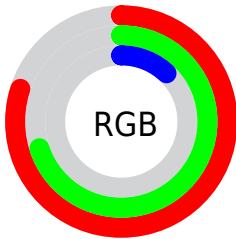
Format	Color
RYB	60, 204, 31
Decimal	13415199
CIELab	73.01, -5.04, 70.25
CIELCh	73, 70.434, 94.102
Yxy	45.1765, 0.4377, 0.4791
Android (android.graphics.Color)	4291605279 (0xFFCCB31F)
YUV	169.6030, -68.3313, 30.1662
Hunter-Lab	67.2135, -8.0239, 40.1327

Details

The XYZ color **41.2693, 45.1765, 7.8411** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **12.8785, 7.4795, 57.8913**, and the grayscale version is **38.3196, 40.3153, 43.9033**.

A 20% lighter version of the original color is **72.5946, 80.8783, 21.9102**, and **19.2664, 21.1985, 3.0763** is the 20% darker color. If you saturate the color by 10%, you get **40.4966, 43.9340, 6.6505**, and if you desaturate by 10%, it is **42.2266, 46.5165, 9.9323**.

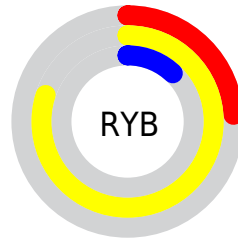
Distribution



Red (80%)

Green (70%)

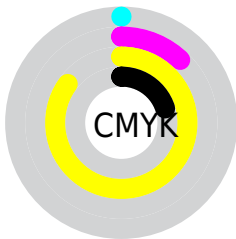
Blue (12%)



Red (24%)

Yellow (80%)

Blue (12%)

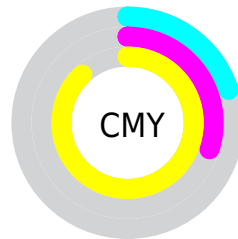


Cyan (0%)

Magenta (12%)

Yellow (85%)

Black (20%)



Cyan (20%)


Magenta (30%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2693, 45.1765, 7.8411 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 41.2693, 45.1765, 7.8411 by changing the saturation by 10% instead.


 41.2693, 45.1765,
7.8411


 41.2693, 45.1765,
7.8411


342.4883,
367.4879, 184.3681


 28.7182, 31.5965,
3.9071


 76.3647, 82.9852,
22.1873

 19.0109, 21.0535,
1.5745


 99.6396, 107.9827,
33.4367


 11.7822, 13.1631,
0.2726


 127.2199,
137.5547, 47.9616

 6.6667, 7.5409,
0.0000

 159.4708,
172.0858, 66.1806

 3.2990, 3.8026,
0.0000

 196.7577,
211.9603, 88.5122

 1.3138, 1.5638,
0.0000

 239.4461,

 0.1935, 0.3330,

257.5625, 115.3750

0.0000

287.9011,
309.2769, 147.1874

■ 0.0000, 0.0000,
0.0000

■ 41.2693, 45.1765,
7.8411

■ 41.2693, 45.1765,
7.8411

■ 40.4966, 43.9340,
6.6505

■ 42.2266, 46.5165,
9.9323

■ 40.1395, 43.3129,
6.2446

■ 43.3932, 47.9589,
13.0679

■ 44.7932, 49.5150,
17.3692

■ 46.4464, 51.1930,
22.9403

■ 48.3703, 53.0000,
29.8735

■ 50.5811, 54.9425,
38.2526

■ 53.0932, 57.0265,
48.1547

■ 55.9205, 59.2576,
59.6513

■ 59.0758, 61.6410,
72.8097

Harmonies

Analogous

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



54.1184, 45.1765, 9.9556



41.2693, 45.1765, 7.8411



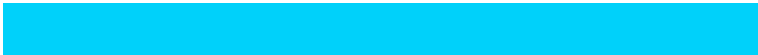
30.9976, 45.1765, 11.7209

Triad

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



41.2693, 45.1765, 7.8411



26.1826, 45.1765, 97.7729



67.9197, 45.1765, 85.0976

Complementary

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



41.2693, 45.1765, 7.8411



12.8785, 7.4795, 57.8913

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.



57.6098, 45.1765, 129.2852



41.2693, 45.1765, 7.8411



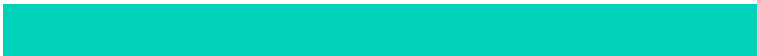
33.4159, 45.1765, 138.7338

Square

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



41.2693, 45.1765, 7.8411



23.4063, 45.1765, 54.1953



44.6530, 45.1765, 152.3902



71.1103, 45.1765, 44.5019

Rectangle

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



41.2693, 45.1765, 7.8411



26.4895, 45.1765, 19.2056



44.6530, 45.1765, 152.3902



65.0863, 45.1765, 100.5474

Sweetspot

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



41.2703, 45.1787, 7.8420



83.5632, 90.8161, 62.5596



26.1293, 14.1126, 5.2120



17.5970, 19.1886, 12.2826



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.



41.2703, 45.1787, 7.8420



66.3523, 71.4845, 10.3008



33.2463, 49.1645, 9.0343



12.0103, 12.8096, 11.9189



25.3171, 27.3672, 3.9480



1.3448, 1.4893, 0.2166

Inverse Universe

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



12.8785, 7.4795, 57.8913



18.7067, 8.5334, 95.2689



15.7585, 7.5924, 57.7613



10.7304, 11.1012, 14.1476



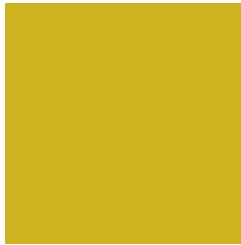
7.1856, 3.3951, 36.2329



0.4139, 0.2615, 1.8836

Previews

White Background



This preview shows how the XYZ color 41.2693, 45.1765, 7.8411 looks on a white background.

Color Contrast Check

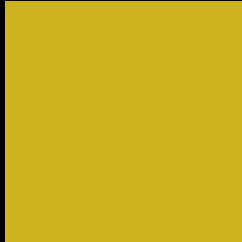
Large Text (above 18pt) WCAG AA × Fail

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 41.2693, 45.1765, 7.8411 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 41.2693, 45.1765, 7.8411

Background



This preview shows how black text looks on a background with the XYZ color 41.2693, 45.1765, 7.8411.



This preview shows how white text looks on a background with the XYZ color 41.2693, 45.1765,

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

41.2693, 45.1765, 7.8411

Protanopia

40.9257, 45.2980, 7.8827

Deuteranopia

46.0727, 45.0518, 8.0178



Tritanopia

49.6870, 45.1882, 48.7512

Trichromacy



Original Color

41.2693, 45.1765, 7.8411

Protanomaly

41.1972, 45.4380, 7.8954

Deuteranomaly

44.1604, 44.9139, 7.9319

Tritanomaly

44.8429, 44.3081, 25.5909

Monochromacy



Original Color

41.2693, 45.1765, 7.8411

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5647, 41.1641, 23.4184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2693, 45.1765, 7.8411 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(204, 179, 31)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 31)  
}
```

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(204, 179, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 31) }
```

Border

The CSS property to change the border of an element to XYZ 41.2693, 45.1765, 7.8411 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(204, 179, 31) }
```


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

```
.border{ border-color:rgb(204, 179, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 31);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2693, 45.1765, 7.8411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 31) }
```

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

```
.background{ background-color: rgb(204,  
179, 31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor