

Converting Colors

XYZ(41.6911, 51.7619, 3.9309)

Have a look what the booklet for
XYZ(41.6911, 51.7619, 3.9309)
contains.

XYZ(42.4157, 52.1843, 7.8370)	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(42.4157, 52.1843,
7.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C700
RGB	193, 199, 0
RGB Percent	76%, 78%, 0%
CMY	0.2431, 0.2196, 0.9999
CMYK	0.03, 0.00, 1.00, 0.22
HSL	62°, 100%, 39%
HSV	62°, 100%, 78%
XYZ	42.4157, 52.1843, 7.8370
YIQ	174.5200, 60.3030, -63.1610

Conversions

Conversions Part 2

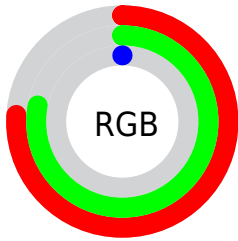
Format	Color
RYB	0, 199, 6
Decimal	12699392
CIELab	77.39, -20.46, 77.82
CIELCh	77, 80.468, 104.727
Yxy	52.1843, 0.4141, 0.5094
Android (android.graphics.Color)	4290889472 (0xFFC1C700)
YUV	174.5200, -86.0384, 16.2070
Hunter-Lab	72.2387, -21.6096, 44.1349

Details

The XYZ color **42.4157, 52.1843, 7.8370** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **10.3851, 4.1632, 54.2923**, and the grayscale version is **40.9104, 43.0409, 46.8715**.

A 20% lighter version of the original color is **77.8293, 93.0272, 22.0376**, and **20.1171, 25.4017, 3.8427** is the 20% darker color. If you saturate the color by 10%, you get **42.4166, 52.1866, 7.8374**, and if you desaturate by 10%, it is **42.6958, 52.3160, 8.5059**.

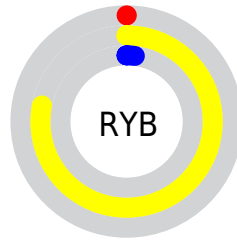
Distribution



Red (76%)

Green (78%)

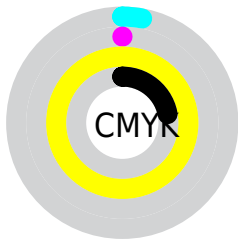
Blue (0%)



Red (0%)

Yellow (78%)

Blue (2%)

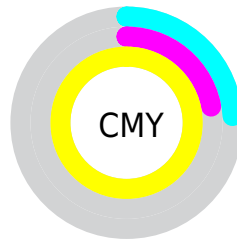


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (24%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4157, 52.1843, 7.8370 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 42.4157, 52.1843, 7.8370 by changing the saturation by 10% instead.


 42.4157, 52.1843,
7.8370


 42.4157, 52.1843,
7.8370


347.1657,
395.1477, 184.3345

 29.6195, 37.1520,
3.9045


 78.0896, 93.4030,
22.1791

 19.6966, 25.3252,
1.5731


 101.6980,
120.3582, 33.4259

 12.2816, 16.3195,
0.2715


 129.6411,
152.0564, 47.9479

 7.0094, 9.7505,
0.0000

 162.2844,
188.8821, 66.1636

 3.5143, 5.2339,
0.0000

 199.9931,
231.2197, 88.4916

 1.4312, 2.3851,
0.0000

 243.1327,

 0.2783, 0.8182,

279.4536, 115.3503

0.0000

292.0684,
333.9681, 147.1585

■ 0.0000, 0.0000,
0.0000

■ 42.4157, 52.1843,
7.8370

■ 42.4157, 52.1843,
7.8370

■ 42.4166, 52.1866,
7.8374

■ 42.6958, 52.3160,
8.5059

■ 43.1043, 52.4972,
9.8529

■ 43.6873, 52.7483,
12.1156

■ 44.4685, 53.0787,
15.4183

■ 45.4676, 53.4964,
19.8658

■ 46.7023, 54.0083,
25.5501

■ 48.1881, 54.6208,
32.5542

■ 49.9396, 55.3397,
40.9535

■ 51.9699, 56.1701,
50.8179

Harmonies

Analogous

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



57.8545, 52.1843, 7.8931



42.4157, 52.1843, 7.8370



31.4739, 52.1843, 15.2433

Triad

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



42.4157, 52.1843, 7.8370



31.3263, 52.1843, 140.3229



84.1827, 52.1843, 82.3423

Complementary

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



42.4157, 52.1843, 7.8370



10.3851, 4.1632, 54.2923

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.



73.6146, 52.1843, 141.3728



42.4157, 52.1843, 7.8370



42.1699, 52.1843, 184.9815

Square

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



42.4157, 52.1843, 7.8370



26.0355, 52.1843, 81.3437



57.5521, 52.1843, 185.4427



84.2870, 52.1843, 37.7986

Rectangle

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



42.4157, 52.1843, 7.8370



27.2712, 52.1843, 27.6591



57.5521, 52.1843, 185.4427



81.6523, 52.1843, 101.4991

Sweetspot

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



42.4169, 52.1867, 7.8381



84.2417, 95.5791, 56.3918



23.5910, 12.2154, 1.1150



17.7830, 20.3557, 10.8948



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.



42.4169, 52.1867, 7.8381



74.2247, 91.3493, 13.7201



25.2694, 43.3469, 7.0356



11.4910, 12.4001, 11.3506



27.2872, 33.5624, 5.0400



1.3022, 1.5944, 0.2391

Inverse Universe

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



10.3851, 4.1632, 54.2923



18.1463, 7.2697, 95.0545



15.8837, 6.9978, 54.5497



10.0858, 10.3025, 13.3745



6.6905, 2.6833, 34.9097



0.3274, 0.1325, 1.6535

Previews

White Background



This preview shows how the XYZ color 42.4157, 52.1843, 7.8370 looks on a white background.

Color Contrast Check

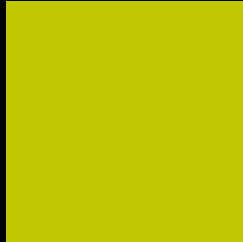
Large Text (above 18pt) WCAG AA × Fail

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 42.4157, 52.1843, 7.8370 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 42.4157, 52.1843, 7.8370

Background



This preview shows how black text looks on a background with the XYZ color 42.4157, 52.1843, 7.8370.

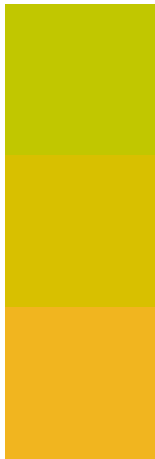


This preview shows how white text looks on a background with the XYZ color 42.4157, 52.1843,

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

42.4157, 52.1843, 7.8370

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

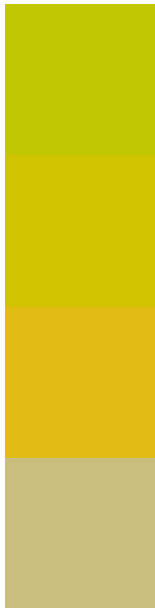
53.0468, 51.8474, 8.5080



Tritanopia

53.3899, 52.0868, 61.2726

Trichromacy



Original Color

42.4157, 52.1843, 7.8370

Protanomaly

45.5275, 52.4401, 7.7224

Deuteranomaly

48.8500, 51.8642, 8.0980

Tritanomaly

46.6013, 50.9158, 27.4502

Monochromacy



Original Color

42.4157, 52.1843, 7.8370

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3011, 45.3738, 21.7255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4157, 52.1843, 7.8370 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(193, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 199, 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(193, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.4157, 52.1843, 7.8370 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(193, 199, 0) }
```


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

```
.border{ border-color:rgb(193, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4157, 52.1843, 7.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 199, 0) }
```

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

```
.background{ background-color: rgb(193,  
199, 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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