

Converting Colors

XYZ(45.5520, 52.0282, 7.6416)

Have a look what the booklet for
XYZ(45.5520, 52.0282, 7.6416)
contains.

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Color

**XYZ(45.5863, 52.1389,
7.6612)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D1C200 |
| RGB | 209, 194, 0 |
| RGB Percent | 82%, 76%, 0% |
| CMY | 0.1804, 0.2392, 0.9999 |
| CMYK | 0.00, 0.07, 1.00, 0.18 |
| HSL | 56°, 100%, 41% |
| HSV | 56°, 100%, 82% |
| XYZ | 45.5863, 52.1389, 7.6612 |
| YIQ | 176.3690, 71.2140, -57.1540 |

Conversions

Conversions Part 2

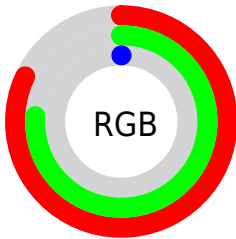
| Format | Color |
|-------------------------------------|--|
| RYB | 16, 209, 0 |
| Decimal | 13746688 |
| CIELab | 77.36, -11.05, 78.40 |
| CIELCh | 77, 79.179, 98.020 |
| Yxy | 52.1389, 0.4326, 0.4947 |
| Android (android.graphics.Color) | 4291936768 (0xFFD1C200) |
| YUV | 176.3690, -86.9499, 28.6174 |
| Hunter-Lab | 72.2073, -13.6711, 44.2544 |

Details

The XYZ color **45.5863, 52.1389, 7.6612** 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 **11.6799, 4.9457, 60.6601**, and the grayscale version is **41.8765, 44.0573, 47.9784**.

A 20% lighter version of the original color is **76.9869, 90.2557, 21.5471**, and **22.1026, 25.5338, 3.7636** is the 20% darker color. If you saturate the color by 10%, you get **45.5870, 52.1406, 7.6614**, and if you desaturate by 10%, it is **46.0574, 52.8661, 8.4824**.

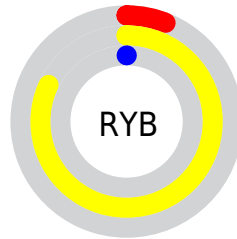
Distribution



Red (82%)

Green (76%)

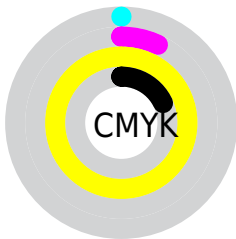
Blue (0%)



Red (6%)

Yellow (82%)

Blue (0%)

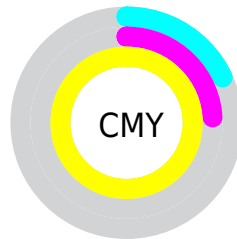


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5863, 52.1389, 7.6612 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 45.5863, 52.1389, 7.6612 by changing the saturation by 10% instead.

45.5863, 52.1389,
7.6612

45.5863, 52.1389,
7.6612

359.8868,
394.9726, 182.8842

32.1227, 37.1158,
3.7943

82.8312, 93.3361,
21.8266

21.6113, 25.2972,
1.5132

107.3432,
120.2789, 32.9622

13.6865, 16.2986,
0.2277

136.2687,
151.9638, 47.3578

7.9832, 9.7357,
0.0000

169.9732,
188.7751, 65.4319

4.1359, 5.2241,
0.0000

208.8218,
231.0973, 87.6030

1.7793, 2.3793,
0.0000

253.1801,

0.5052, 0.8152,

279.3146, 114.2898

0.0000

303.4133,
333.8116, 145.9106

■ 0.0000, 0.0000,
0.0000

■ 45.5863, 52.1389,
7.6612

■ 45.5863, 52.1389,
7.6612

■ 45.5870, 52.1406,
7.6614

■ 46.0574, 52.8661,
8.4824

■ 46.6764, 53.6558,
10.0704

■ 47.4933, 54.5301,
12.6844

■ 48.5349, 55.4997,
16.4648

■ 49.8238, 56.5737,
21.5302

■ 51.3796, 57.7599,
27.9848

■ 53.2202, 59.0655,
35.9218

■ 55.3617, 60.4970,
45.4265

■ 57.8191, 62.0603,
56.5778

Harmonies

Analogous

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



61.3305, 52.1389, 9.1329



45.5863, 52.1389, 7.6612



33.6348, 52.1389, 13.0448

Triad

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



45.5863, 52.1389, 7.6612



29.8999, 52.1389, 125.5810



81.9314, 52.1389, 94.2515

Complementary

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



45.5863, 52.1389, 7.6612



11.6799, 4.9457, 60.6601

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.



69.8449, 52.1389, 151.6427



45.5863, 52.1389, 7.6612



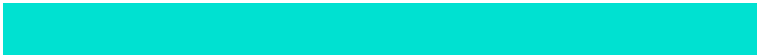
39.3948, 52.1389, 175.2756

Square

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



45.5863, 52.1389, 7.6612



25.8682, 52.1389, 69.2790



53.7507, 52.1389, 186.6878



84.5311, 52.1389, 45.8660

Rectangle

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



45.5863, 52.1389, 7.6612



28.6552, 52.1389, 22.9572



53.7507, 52.1389, 186.6878



78.7395, 52.1389, 113.7001

Sweetspot

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



45.5875, 52.1414, 7.6622



83.3601, 92.5624, 55.8559



26.3992, 13.5976, 1.7817



17.5685, 19.6208, 10.7643



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.



45.5875, 52.1414, 7.6622



71.4387, 81.6573, 11.9962



30.8160, 49.7328, 7.9759



12.7278, 13.6463, 12.5752



28.1386, 32.2103, 4.7341



1.5955, 1.8454, 0.2721

Inverse Universe

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



11.6799, 4.9457, 60.6601



18.2711, 7.6623, 95.1237



15.4483, 6.6348, 60.7875



11.2308, 11.5519, 14.8815



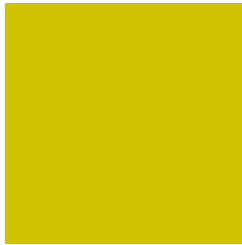
7.2283, 3.1031, 37.4105



0.4285, 0.2222, 2.0999

Previews

White Background



This preview shows how the XYZ color 45.5863, 52.1389, 7.6612 looks on a white background.

Color Contrast Check

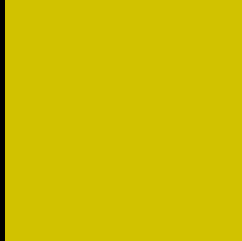
Large Text (above 18pt) WCAG AA × Fail

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 45.5863, 52.1389, 7.6612 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 45.5863, 52.1389, 7.6612

Background



This preview shows how black text looks on a background with the XYZ color 45.5863, 52.1389, 7.6612.

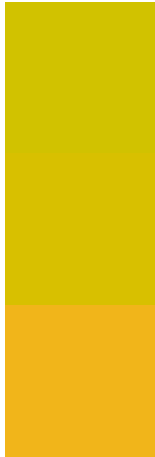


This preview shows how white text looks on a background with the XYZ color 45.5863, 52.1389,

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

45.5863, 52.1389, 7.6612

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

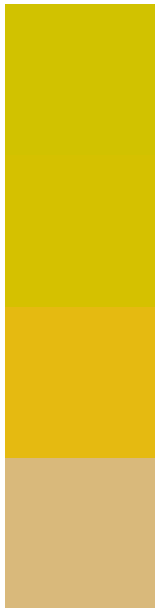
52.9860, 51.8231, 8.1875



Tritanopia

55.8777, 51.9097, 58.1134

Trichromacy



Original Color

45.5863, 52.1389, 7.6612

Protanomaly

46.5105, 52.2861, 7.6409

Deuteranomaly

49.9732, 51.8163, 7.8980

Tritanomaly

49.5394, 50.8797, 25.9486

Monochromacy



Original Color

45.5863, 52.1389, 7.6612

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.5972, 45.7282, 22.0160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5863, 52.1389, 7.6612 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(209, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 194, 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(209, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 194, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.5863, 52.1389, 7.6612 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(209, 194, 0) }
```


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

```
.border{ border-color:rgb(209, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 194,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5863, 52.1389, 7.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 194, 0) }
```

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

```
.background{ background-color: rgb(209,  
194, 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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