

Converting Colors

XYZ(42.0149, 50.6323, 7.5553)

Have a look what the booklet for
XYZ(42.0149, 50.6323, 7.5553)
contains.

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Color

**XYZ(42.0208, 50.6323,
7.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C300
RGB	195, 195, 0
RGB Percent	76%, 76%, 0%
CMY	0.2353, 0.2353, 0.9999
CMYK	0.00, 0.00, 1.00, 0.24
HSL	60°, 100%, 38%
HSV	60°, 100%, 76%
XYZ	42.0208, 50.6323, 7.5583
YIQ	172.7700, 62.5950, -60.6450

Conversions

Conversions Part 2

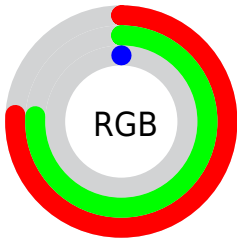
Format	Color
RYB	0, 195, 0
Decimal	12829440
CIELab	76.46, -17.62, 77.21
CIELCh	76, 79.194, 102.852
Yxy	50.6323, 0.4193, 0.5053
Android (android.graphics.Color)	4291019520 (0xFFC3C300)
YUV	172.7700, -85.1756, 19.4957
Hunter-Lab	71.1564, -19.1120, 43.5116

Details

The XYZ color **42.0208, 50.6323, 7.5583** 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 **9.8515, 3.9411, 51.8744**, and the grayscale version is **40.0037, 42.0870, 45.8327**.

A 20% lighter version of the original color is **77.2985, 90.8789, 21.6509**, and **19.9895, 24.6644, 3.7071** is the 20% darker color. If you saturate the color by 10%, you get **42.0218, 50.6346, 7.5587**, and if you desaturate by 10%, it is **42.1440, 50.6835, 8.2015**.

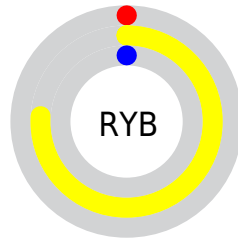
Distribution



Red (76%)

Green (76%)

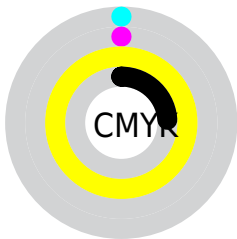
Blue (0%)



Red (0%)

Yellow (76%)

Blue (0%)

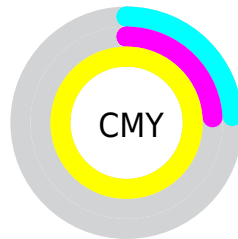


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0208, 50.6323, 7.5583 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 42.0208, 50.6323, 7.5583 by changing the saturation by 10% instead.

■ 42.0208, 50.6323,
7.5583

■ 42.0208, 50.6323,
7.5583

345.5593,
389.1335, 182.0286

■ 29.3088, 35.9161,
3.7299

■ 77.4961, 91.1110,
21.6196

■ 19.4600, 24.3694,
1.4784

■ 100.9900,
117.6423, 32.6896

■ 12.1091, 15.6079,
0.2018

■ 128.8086,
148.8807, 47.0105

■ 6.8907, 9.2471,
0.0000

■ 161.3173,
185.2106, 65.0010

■ 3.4396, 4.9027,
0.0000

■ 198.8813,
227.0165, 87.0794

■ 1.3903, 2.1903,
0.0000

■ 241.8661,

■ 0.2493, 0.7147,

274.6826, 113.6645

0.0000

290.6370,
328.5935, 145.1747

■ 0.0000, 0.0000,
0.0000

■ 42.0208, 50.6323,
7.5583

■ 42.0208, 50.6323,
7.5583

■ 42.0218, 50.6346,
7.5587

■ 42.1440, 50.6835,
8.2015

■ 42.3887, 50.7814,
9.4892

■ 42.7994, 50.9457,
11.6510

■ 43.3985, 51.1854,
14.8048

■ 44.2048, 51.5079,
19.0503

■ 45.2352, 51.9201,
24.4751

■ 46.5044, 52.4278,
31.1578

■ 48.0261, 53.0365,
39.1703

■ 49.8130, 53.7513,
48.5793

Harmonies

Analogous

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



57.0890, 50.6323, 7.9902



42.0208, 50.6323, 7.5583



31.1304, 50.6323, 14.1682

Triad

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



42.0208, 50.6323, 7.5583



30.0067, 50.6323, 132.0201



81.0747, 50.6323, 83.0783

Complementary

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



42.0208, 50.6323, 7.5583



9.8515, 3.9411, 51.8744

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.



70.3929, 50.6323, 139.9709



42.0208, 50.6323, 7.5583



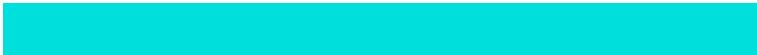
40.1513, 50.6323, 176.8146

Square

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



42.0208, 50.6323, 7.5583



25.2223, 50.6323, 75.5004



54.7923, 50.6323, 180.3045



81.8654, 50.6323, 38.7988

Rectangle

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



42.0208, 50.6323, 7.5583



26.8433, 50.6323, 25.4947



54.7923, 50.6323, 180.3045



78.4344, 50.6323, 101.7634

Sweetspot

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



42.0219, 50.6347, 7.5593



83.1665, 93.8459, 55.1769



22.5074, 11.6034, 1.0541



17.9888, 20.4618, 10.9045



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.



42.0219, 50.6347, 7.5593



75.2572, 90.6819, 13.5369



24.5012, 41.6024, 6.7394



10.9134, 11.7584, 10.7563



27.3103, 32.9078, 4.9124



1.1800, 1.4219, 0.2123

Inverse Universe

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



9.8515, 3.9411, 51.8744



17.6422, 7.0569, 92.9021



14.8359, 6.5106, 52.1076



9.5284, 9.7480, 12.6642



6.4023, 2.5609, 33.7135



0.2766, 0.1107, 1.4567

Previews

White Background



This preview shows how the XYZ color 42.0208, 50.6323, 7.5583 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 42.0208, 50.6323, 7.5583 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 42.0208, 50.6323, 7.5583

Background



This preview shows how black text looks on a background with the XYZ color 42.0208, 50.6323, 7.5583.

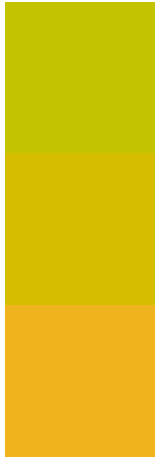


This preview shows how white text looks on a background with the XYZ color 42.0208, 50.6323,

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

42.0208, 50.6323, 7.5583

Protanopia

45.6382, 50.5413, 7.3501

Deuteranopia

51.6018, 50.5061, 8.1913



Tritanopia

52.3866, 50.3978, 58.5964

Trichromacy



Original Color

42.0208, 50.6323, 7.5583

Protanomaly

44.0844, 50.3834, 7.4015

Deuteranomaly

47.5823, 50.2712, 7.7677

Tritanomaly

45.8256, 49.2696, 26.1635

Monochromacy



Original Color

42.0208, 50.6323, 7.5583

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3944, 43.9973, 21.2206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0208, 50.6323, 7.5583 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(195, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 195, 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(195, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.0208, 50.6323, 7.5583 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(195, 195, 0) }
```


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

```
.border{ border-color:rgb(195, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0208, 50.6323, 7.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 195, 0) }
```

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

```
.background{ background-color: rgb(195,  
195, 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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