

Converting Colors

XYZ(40.6674, 49.3662, 8.2259)

Have a look what the booklet for
XYZ(40.6674, 49.3662, 8.2259)
contains.

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Color

**XYZ(40.7207, 49.2822,
8.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC118
RGB	191, 193, 24
RGB Percent	75%, 76%, 9%
CMY	0.2510, 0.2431, 0.9058
CMYK	0.01, 0.00, 0.88, 0.24
HSL	61°, 78%, 43%
HSV	61°, 88%, 76%
XYZ	40.7207, 49.2822, 8.2304
YIQ	173.1360, 53.0570, -52.9830

Conversions

Conversions Part 2

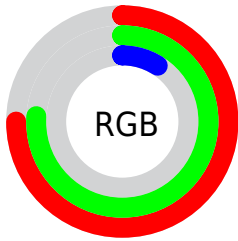
Format	Color
R_{YB}	24, 193, 26
Decimal	12566808
CIE _{Lab}	75.63, -18.01, 73.41
CIE _{LCh}	76, 75.590, 103.784
Yxy	49.2822, 0.4145, 0.5017
Android (android.graphics.Color)	4290756888 (0xFFBFC118)
YUV	173.1360, -73.5240, 15.6667
Hunter-Lab	70.2013, -19.3122, 42.1897

Details

The XYZ color **40.7207, 49.2822, 8.2304** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed chartreuse. A complement of this color would be **10.3796, 4.7241, 50.8199**, and the grayscale version is **40.1363, 42.2265, 45.9846**.

A 20% lighter version of the original color is **75.5048, 88.9988, 22.8718**, and **19.0509, 23.7427, 3.5787** is the 20% darker color. If you saturate the color by 10%, you get **40.5251, 49.1992, 7.4958**, and if you desaturate by 10%, it is **41.0563, 49.4249, 9.6918**.

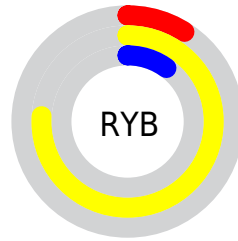
Distribution



Red (75%)

Green (76%)

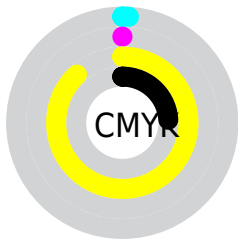
Blue (9%)



Red (9%)

Yellow (76%)

Blue (10%)

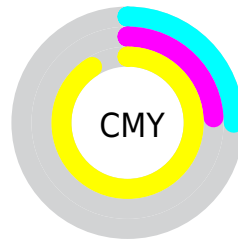


Cyan (1%)

Magenta (0%)

Yellow (88%)

Black (24%)



Cyan (25%)


Magenta (24%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7207, 49.2822, 8.2304 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 40.7207, 49.2822, 8.2304 by changing the saturation by 10% instead.


 40.7207, 49.2822,
8.2304


 40.7207, 49.2822,
8.2304


340.2345,
383.8522, 187.5297

 28.2876, 34.8434,
4.1528


 75.5371, 89.1104,
22.9625


 18.6841, 23.5423,
1.7096


 98.6512, 115.2687,
34.4541


 11.5449, 14.9944,
0.3673


 126.0562,
146.1021, 49.2541

 6.5046, 8.8155,
0.0000

 158.1177,
181.9953, 67.7811

 3.1978, 4.6210,
0.0000

 195.2009,
223.3324, 90.4537

 1.2592, 2.0267,
0.0000

 237.6712,

 0.1524, 0.6229,

270.4981, 117.6902

0.0000

285.8939,
323.8765, 149.9094

■ 0.0000, 0.0000,
0.0000

■ 40.7207, 49.2822,
8.2304

■ 40.7207, 49.2822,
8.2304

■ 40.5251, 49.1992,
7.4958

■ 41.0563, 49.4249,
9.6918

■ 40.4852, 49.1816,
7.3592

■ 41.5587, 49.6326,
12.0358

■ 42.2498, 49.9157,
15.3733

■ 43.1475, 50.2815,
19.7982

■ 44.2675, 50.7362,
25.3934

■ 45.6241, 51.2855,
32.2340

■ 47.2304, 51.9348,
40.3887

■ 49.0984, 52.6887,
49.9211

■ 51.2394, 53.5519,
60.8909

Harmonies

Analogous

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



54.7606, 49.2822, 8.4752



40.7207, 49.2822, 8.2304



30.5868, 49.2822, 15.0483

Triad

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



40.7207, 49.2822, 8.2304



29.9834, 49.2822, 126.5525



77.7039, 49.2822, 78.1723

Complementary

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



40.7207, 49.2822, 8.2304



10.3796, 4.7241, 50.8199

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.



68.0250, 49.2822, 130.6918



40.7207, 49.2822, 8.2304



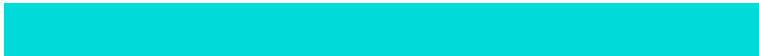
39.7248, 49.2822, 166.8096

Square

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



40.7207, 49.2822, 8.2304



25.2748, 49.2822, 74.1849



53.5463, 49.2822, 168.6180



78.1186, 49.2822, 37.3198

Rectangle

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



40.7207, 49.2822, 8.2304



26.6182, 49.2822, 26.3187



53.5463, 49.2822, 168.6180



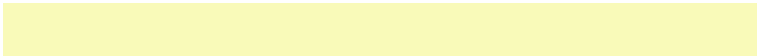
75.3506, 49.2822, 95.3859

Sweetspot

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



40.7218, 49.2845, 8.2314



82.0166, 91.9722, 59.2877



22.4855, 12.0579, 2.0071



17.3989, 19.6516, 11.7258



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7218, 49.2845, 8.2314



72.4891, 88.0713, 13.1789



25.4825, 41.4283, 7.5182



10.9012, 11.7521, 10.7557



26.9310, 32.7123, 4.8947



1.1675, 1.4154, 0.2117

Inverse Universe

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



10.3796, 4.7241, 50.8199



17.2768, 6.9150, 90.7844



16.1995, 7.7244, 51.0922



9.5391, 9.7536, 12.6647



6.4261, 2.5732, 33.7146



0.2815, 0.1132, 1.4569

Previews

White Background



This preview shows how the XYZ color 40.7207, 49.2822, 8.2304 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 40.7207, 49.2822, 8.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

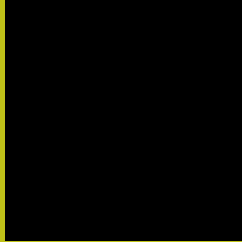
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7207, 49.2822, 8.2304

Background



This preview shows how black text looks on a background with the XYZ color 40.7207, 49.2822, 8.2304.



This preview shows how white text looks on a background with the XYZ color 40.7207, 49.2822,

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

40.7207, 49.2822, 8.2304

Protanopia

44.4935, 49.3002, 7.9299

Deuteranopia

50.3170, 49.2400, 8.6025



Tritanopia

50.9607, 49.3749, 57.8833

Trichromacy



Original Color

40.7207, 49.2822, 8.2304

Protanomaly

42.9809, 49.1536, 8.0329

Deuteranomaly

46.4076, 49.0313, 8.3845

Tritanomaly

45.0670, 48.5060, 28.8171

Monochromacy



Original Color

40.7207, 49.2822, 8.2304

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4734, 43.6777, 23.8556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7207, 49.2822, 8.2304 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(191, 193, 24)` looks like.

```
.text, #text, p{  
    color:rgb(191, 193, 24)  
}
```

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(191, 193, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 193, 24) }
```

Border

The CSS property to change the border of an element to XYZ 40.7207, 49.2822, 8.2304 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(191, 193, 24) }
```


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

```
.border{ border-color:rgb(191, 193, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 193, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 193, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 193, 24);  
box-shadow:4px 4px 4px 4px rgb(191, 193,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7207, 49.2822, 8.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 193, 24) }
```

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

```
.background{ background-color: rgb(191,  
193, 24) }
```

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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