

Converting Colors

XYZ(24.0791, 16.9348, 2.4588)

Have a look what the booklet for
XYZ(24.0791, 16.9348, 2.4588)
contains.

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Color

**XYZ(24.0898, 16.8879,
2.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	BD520F
RGB	189, 82, 15
RGB Percent	74%, 32%, 6%
CMY	0.2588, 0.6784, 0.9412
CMYK	0.00, 0.57, 0.92, 0.26
HSL	23°, 85%, 40%
HSV	23°, 92%, 74%
XYZ	24.0898, 16.8879, 2.4420
YIQ	106.3550, 85.2790, 1.8470

Conversions

Conversions Part 2

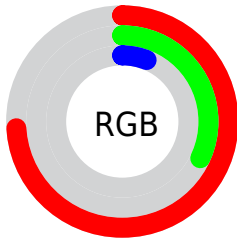
Format	Color
R_{YB}	189, 124, 15
Decimal	12407311
CIE _{Lab}	48.12, 40.05, 54.15
CIE _{LCh}	48, 67.350, 53.511
Yxy	16.8879, 0.5548, 0.3889
Android (android.graphics.Color)	4290597391 (0xFFBD520F)
YUV	106.3550, -45.0380, 72.4797
Hunter-Lab	41.0949, 32.7205, 25.2432

Details

The XYZ color **24.0898, 16.8879, 2.4420** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.3415, 17.6940, 50.6977**, and the grayscale version is **13.9014, 14.6254, 15.9270**.

A 20% lighter version of the original color is **49.7134, 38.1630, 10.2149**, and **9.3664, 5.5177, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **23.3542, 15.5550, 1.7715**, and if you desaturate by 10%, it is **25.2432, 18.8732, 3.8186**.

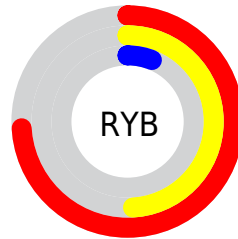
Distribution



Red (74%)

Green (32%)

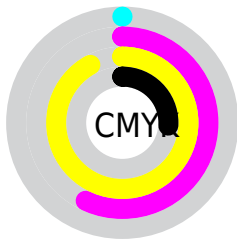
Blue (6%)



Red (74%)

Yellow (49%)

Blue (6%)

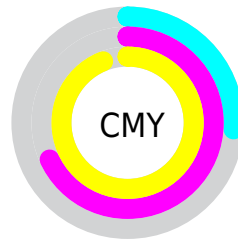


Cyan (0%)

Magenta (57%)

Yellow (92%)

Black (26%)



Cyan (26%)


Magenta (68%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0898, 16.8879, 2.4420 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 24.0898, 16.8879, 2.4420 by changing the saturation by 10% instead.


 24.0898, 16.8879,
2.4420


 24.0898, 16.8879,
2.4420


265.7062,
234.5256, 128.9013


 15.5253, 10.1546,
0.8092


 49.6303, 38.1329,
10.2174


 9.2776, 5.5016,
0.0000


 67.3371, 53.4135,
17.2051

 4.9813, 2.5445,
0.0000

 88.8220, 72.3118,
26.8177

 2.2709, 0.8988,
0.0000

 114.4504, 95.2125,
39.4736


 0.7797, 0.0000,
0.0000


 144.5877,
122.4998, 55.5914


 0.0000, 0.0000,
0.0000


 179.5992,


154.5581, 75.5896


 219.8502,
191.7719, 99.8867


 24.0898, 16.8879,
2.4420

 24.0898, 16.8879,
2.4420


 23.3542, 15.5550,
1.7715

 25.2432, 18.8732,
3.8186

 26.7014, 21.2283,
6.0347

 28.4926, 23.9756,
9.2064

 30.6412, 27.1349,
13.4308

 33.1687, 30.7239,
18.7928

■ 36.0948, 34.7595,
25.3686

■ 39.4377, 39.2573,
33.2278

■ 43.2142, 44.2323,
42.4345

■ 47.4404, 49.6987,
53.0488

Harmonies

Analogous

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



29.3957, 16.8879, 7.9754



24.0898, 16.8879, 2.4420



17.4144, 16.8879, 1.1304

Triad

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



24.0898, 16.8879, 2.4420



6.9871, 16.8879, 14.8456



21.2027, 16.8879, 69.6278

Complementary

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



24.0898, 16.8879, 2.4420



16.3415, 17.6940, 50.6977

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.



14.7615, 16.8879, 76.0721



24.0898, 16.8879, 2.4420



7.5163, 16.8879, 35.3176

Square

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



24.0898, 16.8879, 2.4420



8.3447, 16.8879, 4.7688



10.0356, 16.8879, 60.8028



27.4551, 16.8879, 46.4880

Rectangle

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



24.0898, 16.8879, 2.4420



13.4629, 16.8879, 1.2455



10.0356, 16.8879, 60.8028



18.9522, 16.8879, 74.2447

Sweetspot

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



24.0902, 16.8889, 2.4423



66.7219, 65.0685, 50.2501



24.6885, 12.5731, 19.6360



13.8170, 13.2719, 9.5757



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0902, 16.8889, 2.4423



41.6131, 27.4297, 3.1012



35.2046, 39.1176, 6.1471



9.8233, 10.1226, 10.0127



15.7827, 10.6041, 1.2150



0.6820, 0.5429, 0.0688

Inverse Universe

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



16.3415, 17.6940, 50.6977



27.4423, 28.5631, 90.2931



9.9923, 4.9957, 48.5814



9.4916, 10.1756, 12.1360



10.4751, 11.0619, 33.9760



0.4719, 0.5564, 1.3514

Previews

White Background



This preview shows how the XYZ color 24.0898, 16.8879, 2.4420 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 24.0898, 16.8879, 2.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0898, 16.8879, 2.4420

Background



This preview shows how black text looks on a background with the XYZ color 24.0898, 16.8879, 2.4420.



This preview shows how white text looks on a background with the XYZ color 24.0898, 16.8879,

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

24.0898, 16.8879, 2.4420

Protanopia

15.3489, 16.9945, 3.3355

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

25.5555, 16.8393, 9.6880

Trichromacy



Original Color

24.0898, 16.8879, 2.4420

Protanomaly

17.7481, 16.3339, 2.9268

Deuteranomaly

19.1872, 16.5117, 2.3194

Tritanomaly

24.6981, 16.6913, 5.7909

Monochromacy



Original Color

24.0898, 16.8879, 2.4420

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.6306, 14.2647, 8.2329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0898, 16.8879, 2.4420 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(189, 82, 15)` looks like.

```
.text, #text, p{  
    color:rgb(189, 82, 15)  
}
```

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(189, 82, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 82, 15) }
```

Border

The CSS property to change the border of an element to XYZ 24.0898, 16.8879, 2.4420 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(189, 82, 15) }
```


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

```
.border{ border-color:rgb(189, 82, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 82, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 82, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 82, 15);  
box-shadow:4px 4px 4px 4px rgb(189, 82,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0898, 16.8879, 2.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 82, 15) }
```

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

```
.background{ background-color: rgb(189, 82,  
15) }
```

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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