

Converting Colors

XYZ(24.4701, 18.8257, 2.3440)

Have a look what the booklet for
XYZ(24.4701, 18.8257, 2.3440)
contains.

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Color

**XYZ(24.4326, 18.8048,
2.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	BA6000
RGB	186, 96, 0
RGB Percent	73%, 38%, 0%
CMY	0.2706, 0.6235, 1.0000
CMYK	0.00, 0.48, 1.00, 0.27
HSL	31°, 100%, 36%
HSV	31°, 100%, 73%
XYZ	24.4326, 18.8048, 2.3420
YIQ	111.9660, 84.4560, -10.7760

Conversions

Conversions Part 2

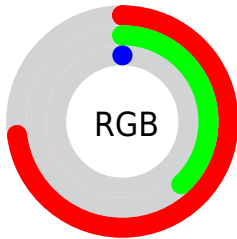
Format	Color
RYB	174, 186, 0
Decimal	12214272
CIELab	50.46, 31.46, 58.96
CIElCh	50, 66.830, 61.917
Yxy	18.8048, 0.5360, 0.4126
Android (android.graphics.Color)	4290404352 (0xFFBA6000)
YUV	111.9660, -55.1992, 64.9278
Hunter-Lab	43.3645, 24.6833, 27.1531

Details

The XYZ color **24.4326, 18.8048, 2.3420** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.5192, 10.8577, 47.8900**, and the grayscale version is **15.5314, 16.3403, 17.7945**.

A 20% lighter version of the original color is **50.1708, 41.4841, 9.9204**, and **9.6207, 6.4687, 0.7415** is the 20% darker color. If you saturate the color by 10%, you get **24.4327, 18.8052, 2.3420**, and if you desaturate by 10%, it is **25.4159, 20.5890, 3.2331**.

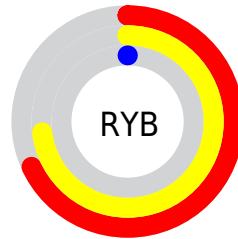
Distribution



Red (73%)

Green (38%)

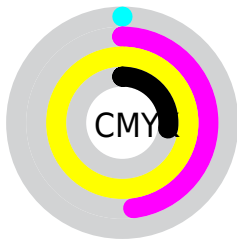
Blue (0%)



Red (68%)

Yellow (73%)

Blue (0%)

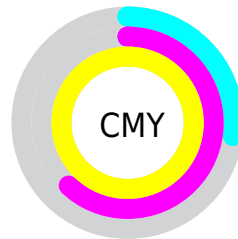


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4326, 18.8048, 2.3420 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 24.4326, 18.8048, 2.3420 by changing the saturation by 10% instead.


 24.4326, 18.8048,
2.3420


 24.4326, 18.8048,
2.3420


267.4004,
245.3690, 127.4798


 15.7813, 11.5293,
0.7546


 50.1848, 41.4040,
9.9563


 9.4594, 6.4240,
0.0000


 68.0164, 57.4965,
16.8352

 5.1015, 3.1046,
0.0000

 89.6388, 77.2968,
26.3199

 2.3423, 1.1866,
0.0000

 115.4173,
101.1893, 38.8289


 0.8162, 0.0507,
0.0000


 145.7174,
129.5584, 54.7809


 0.0000, 0.0000,
0.0000


 180.9044,


162.7884, 74.5943


 221.3436,
201.2638, 98.6878


 24.4326, 18.8048,
2.3420


 24.4326, 18.8048,
2.3420


 24.4327, 18.8052,
2.3420

 25.4159, 20.5890,
3.2331

 26.6047, 22.6097,
4.7292

 28.0422, 24.8898,
7.0429

 29.7513, 27.4427,
10.2796

 31.7512, 30.2805,
14.5287

■ 34.0593, 33.4141,
19.8691

■ 36.6915, 36.8539,
26.3715

■ 39.6622, 40.6093,
34.1008

■ 42.9851, 44.6897,
43.1170

Harmonies

Analogous

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



30.7331, 18.8048, 6.7744



24.4326, 18.8048, 2.3420



17.4581, 18.8048, 1.4856

Triad

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



24.4326, 18.8048, 2.3420



8.0595, 18.8048, 21.6974



25.3364, 18.8048, 68.4241

Complementary

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



24.4326, 18.8048, 2.3420



12.5192, 10.8577, 47.8900

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.



18.2952, 18.8048, 81.2090



24.4326, 18.8048, 2.3420



9.2191, 18.8048, 45.8573

Square

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



24.4326, 18.8048, 2.3420



8.9525, 18.8048, 7.8169



12.6077, 18.8048, 71.1384



31.3377, 18.8048, 42.3946

Rectangle

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



24.4326, 18.8048, 2.3420



13.5988, 18.8048, 1.9788



12.6077, 18.8048, 71.1384



22.9612, 18.8048, 74.9398

Sweetspot

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



24.4330, 18.8058, 2.3423



66.2529, 66.4749, 47.1588



22.2256, 11.2296, 11.3528



14.1314, 14.0445, 9.2371



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.



24.4330, 18.8058, 2.3423



44.0419, 33.5977, 4.1637



37.8084, 45.5567, 6.8008



9.3776, 9.7582, 9.4962



16.5130, 12.8024, 1.6008



0.6438, 0.5747, 0.0770

Inverse Universe

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



12.5192, 10.8577, 47.8900



22.4509, 19.1985, 86.7238



8.8630, 3.5453, 46.6713



8.8701, 9.4174, 11.4297



8.4967, 7.4531, 32.2438



0.3615, 0.3868, 1.1573

Previews

White Background



This preview shows how the XYZ color 24.4326, 18.8048, 2.3420 looks on a white 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

Black Background



This preview shows how the XYZ color 24.4326, 18.8048, 2.3420 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 × Fail

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

XYZ 24.4326, 18.8048, 2.3420

Background



This preview shows how black text looks on a background with the XYZ color 24.4326, 18.8048, 2.3420.



This preview shows how white text looks on a background with the XYZ color 24.4326, 18.8048,

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

24.4326, 18.8048, 2.3420

Protanopia

17.0842, 18.9464, 3.2468

Deuteranopia

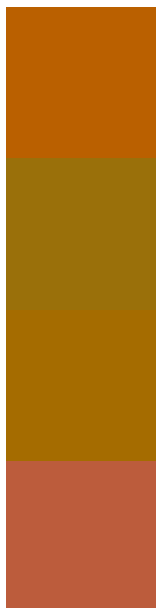
19.2676, 19.0338, 2.6584



Tritanopia

26.6242, 18.7898, 13.0500

Trichromacy



Original Color

24.4326, 18.8048, 2.3420

Protanomaly

19.1754, 18.4803, 2.8436

Deuteranomaly

20.8796, 18.7245, 2.5137

Tritanomaly

25.3818, 18.6719, 6.5412

Monochromacy



Original Color

24.4326, 18.8048, 2.3420

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.9388, 16.2520, 8.2054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4326, 18.8048, 2.3420 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(186, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 96, 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(186, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.4326, 18.8048, 2.3420 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(186, 96, 0) }
```


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

```
.border{ border-color:rgb(186, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.4326, 18.8048, 2.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 96, 0) }
```

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

```
.background{ background-color: rgb(186, 96,  
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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