

Converting Colors

XYZ(24.1530, 16.3173, 1.8765)

Have a look what the booklet for
XYZ(24.1530, 16.3173, 1.8765)
contains.

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Color

**XYZ(24.0703, 16.2452,
1.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4C00
RGB	191, 76, 0
RGB Percent	75%, 30%, 0%
CMY	0.2510, 0.7019, 1.0000
CMYK	0.00, 0.60, 1.00, 0.25
HSL	24°, 100%, 37%
HSV	24°, 100%, 75%
XYZ	24.0703, 16.2452, 1.8670
YIQ	101.7210, 92.9360, 0.7440

Conversions

Conversions Part 2

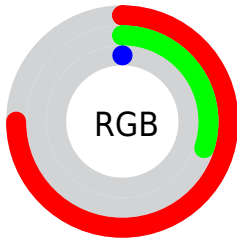
Format	Color
RYB	191, 126, 0
Decimal	12536832
CIELab	47.29, 43.52, 57.56
CIELCh	47, 72.155, 52.908
Yxy	16.2452, 0.5706, 0.3851
Android (android.graphics.Color)	4290726912 (0xFFBF4C00)
YUV	101.7210, -50.1485, 78.2977
Hunter-Lab	40.3053, 36.0657, 25.4673

Details

The XYZ color **24.0703, 16.2452, 1.8670** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.5343, 16.0222, 51.5637**, and the grayscale version is **12.6669, 13.3265, 14.5126**.

A 20% lighter version of the original color is **49.3816, 36.8249, 8.6429**, and **9.3214, 5.2035, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **24.0705, 16.2458, 1.8671**, and if you desaturate by 10%, it is **25.0535, 18.0223, 2.7789**.

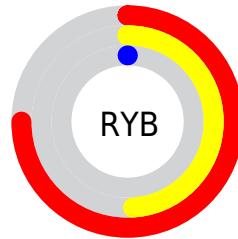
Distribution



Red (75%)

Green (30%)

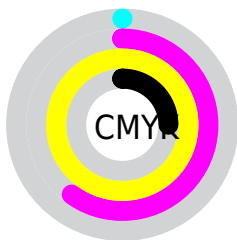
Blue (0%)



Red (75%)

Yellow (49%)

Blue (0%)

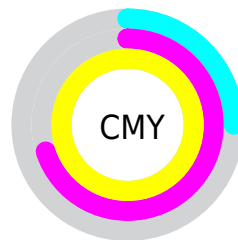


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0703, 16.2452, 1.8670 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 24.0703, 16.2452, 1.8670 by changing the saturation by 10% instead.


 24.0703, 16.2452,
1.8670


 24.0703, 16.2452,
1.8670


 265.6096,
230.7843, 120.2761


 15.5108, 9.6978,
0.4716


 49.5987, 37.0234,
8.6739

 9.2673, 5.1991,
0.0000


 67.2984, 52.0229,
15.0016

 4.9744, 2.3645,
0.0000

 88.7754, 70.6087,
23.8369

 2.2669, 0.8076,
0.0000

 114.3953, 93.1651,
35.5984


 0.7776, 0.0000,
0.0000


 144.5233,
120.0764, 50.7045


 0.0000, 0.0000,
0.0000


 179.5247,


151.7271, 69.5738


 219.7651,
188.5016, 92.6248


 24.0703, 16.2452,
1.8670


 24.0703, 16.2452,
1.8670


 24.0705, 16.2458,
1.8671

 25.0535, 18.0223,
2.7789

 26.3013, 20.1423,
4.3526

 27.8624, 22.6360,
6.8114

 29.7644, 25.5240,
10.2691

 32.0310, 28.8252,
14.8225

■ 34.6834, 32.5569,
20.5564

■ 37.7412, 36.7354,
27.5474

■ 41.2224, 41.3760,
35.8656

■ 45.1438, 46.4930,
45.5757

Harmonies

Analogous

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



29.6977, 16.2452, 7.2445



24.0703, 16.2452, 1.8670



17.0031, 16.2452, 0.6949

Triad

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



24.0703, 16.2452, 1.8670



6.1949, 16.2452, 13.7003



20.7170, 16.2452, 73.6865

Complementary

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



24.0703, 16.2452, 1.8670



15.5343, 16.0222, 51.5637

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.



13.9768, 16.2452, 80.3468



24.0703, 16.2452, 1.8670



6.6817, 16.2452, 35.1618

Square

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



24.0703, 16.2452, 1.8670



7.5850, 16.2452, 3.8443



9.1679, 16.2452, 63.0304



27.4193, 16.2452, 48.4080

Rectangle

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



24.0703, 16.2452, 1.8670



12.8624, 16.2452, 0.7838



9.1679, 16.2452, 63.0304



18.3421, 16.2452, 78.6633

Sweetspot

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



24.0706, 16.2461, 1.8673



67.3171, 65.4184, 48.6878



24.7430, 12.3793, 18.1578



14.2523, 13.6456, 9.4659



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.



24.0706, 16.2461, 1.8673



42.8892, 28.6536, 3.2702



35.6210, 39.3469, 5.7174



9.8333, 10.1426, 10.0161



15.8929, 10.8246, 1.2517



0.6867, 0.5524, 0.0704

Inverse Universe

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



15.5343, 16.0222, 51.5637



27.5776, 28.2072, 92.2702



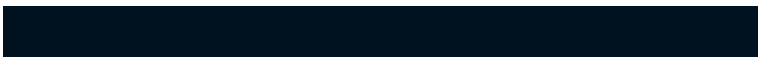
9.6964, 4.3464, 49.6178



9.4813, 10.1550, 12.1326



10.2893, 10.6902, 33.9140



0.4653, 0.5433, 1.3492

Previews

White Background



This preview shows how the XYZ color 24.0703, 16.2452, 1.8670 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 24.0703, 16.2452, 1.8670 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 24.0703, 16.2452, 1.8670

Background



This preview shows how black text looks on a background with the XYZ color 24.0703, 16.2452, 1.8670.



This preview shows how white text looks on a background with the XYZ color 24.0703, 16.2452,

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

24.0703, 16.2452, 1.8670

Protanopia

14.7751, 16.3693, 2.9970

Deuteranopia

16.5854, 16.3550, 2.2827



Tritanopia

25.5156, 16.3519, 8.4680

Trichromacy



Original Color

24.0703, 16.2452, 1.8670

Protanomaly

17.2012, 15.6249, 2.4571

Deuteranomaly

18.6801, 15.8393, 2.0727

Tritanomaly

24.6543, 16.1850, 4.6209

Monochromacy



Original Color

24.0703, 16.2452, 1.8670

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.7000, 13.2787, 6.7893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0703, 16.2452, 1.8670 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 76, 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(191, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.0703, 16.2452, 1.8670 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, 76, 0) }
```


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

```
.border{ border-color:rgb(191, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0703, 16.2452, 1.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 76, 0) }
```

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

```
.background{ background-color: rgb(191, 76,  
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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