

Converting Colors

XYZ(23.7470, 16.3683, 0.9565)

Have a look what the booklet for
XYZ(23.7470, 16.3683, 0.9565)
contains.

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Color

**XYZ(24.0312, 16.5391,
1.9258)**

Conversions

Conversions Part 1

Format	Color
Hex	BE4F00
RGB	190, 79, 0
RGB Percent	75%, 31%, 0%
CMY	0.2549, 0.6902, 1.0000
CMYK	0.00, 0.58, 1.00, 0.25
HSL	25°, 100%, 37%
HSV	25°, 100%, 75%
XYZ	24.0312, 16.5391, 1.9258
YIQ	103.1830, 91.5150, -1.0370

Conversions

Conversions Part 2

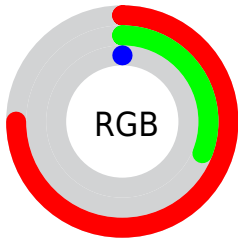
Format	Color
R _Y B	190, 135, 0
Decimal	12472064
CIE Lab	47.67, 41.71, 57.67
CIE LCh	48, 71.175, 54.126
Yxy	16.5391, 0.5655, 0.3892
Android (android.graphics.Color)	4290662144 (0xFFBE4F00)
YUV	103.1830, -50.8692, 76.1385
Hunter-Lab	40.6683, 34.3075, 25.6602

Details

The XYZ color **24.0312, 16.5391, 1.9258** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.9783, 15.0859, 50.8373**, and the grayscale version is **13.0550, 13.7349, 14.9573**.

A 20% lighter version of the original color is **49.4137, 37.4310, 8.7582**, and **9.2715, 5.3280, 0.5397** is the 20% darker color. If you saturate the color by 10%, you get **24.0313, 16.5397, 1.9259**, and if you desaturate by 10%, it is **25.0178, 18.3244, 2.8347**.

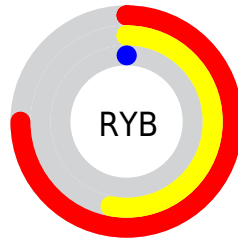
Distribution



Red (75%)

Green (31%)

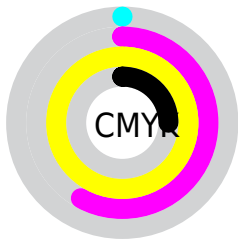
Blue (0%)



Red (75%)

Yellow (53%)

Blue (0%)

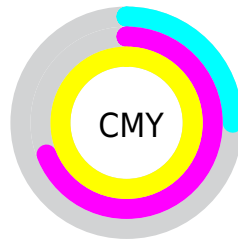


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0312, 16.5391, 1.9258 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 24.0312, 16.5391, 1.9258 by changing the saturation by 10% instead.


 24.0312, 16.5391,
1.9258


 24.0312, 16.5391,
1.9258


 265.4157,
232.5022, 121.2138


 15.4816, 9.9064,
0.5091


 49.5354, 37.5316,
8.8369


 9.2466, 5.3370,
0.0000


 67.2208, 52.6602,
15.2363

 4.9608, 2.4463,
0.0000

 88.6821, 71.3897,
24.1563

 2.2588, 0.8496,
0.0000

 114.2847, 94.1042,
36.0153


 0.7735, 0.0000,
0.0000


 144.3941,
121.1884, 51.2321


 0.0000, 0.0000,
0.0000


 179.3754,


153.0265, 70.2250


 219.5942,
190.0029, 93.4128


 24.0312, 16.5391,
1.9258


 24.0312, 16.5391,
1.9258


 24.0313, 16.5397,
1.9259

 25.0178, 18.3244,
2.8347

 26.2587, 20.4344,
4.3943

 27.8016, 22.8984,
6.8260

 29.6730, 25.7355,
10.2417

 31.8958, 28.9633,
14.7368

■ 34.4905, 32.5979,
20.3950

■ 37.4758, 36.6543,
27.2915

■ 40.8691, 41.1467,
35.4955

■ 44.6867, 46.0886,
45.0707

Harmonies

Analogous

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



29.7319, 16.5391, 7.1506



24.0312, 16.5391, 1.9258



17.0052, 16.5391, 0.7967

Triad

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



24.0312, 16.5391, 1.9258



6.4227, 16.5391, 14.6560



21.2674, 16.5391, 72.6198

Complementary

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



24.0312, 16.5391, 1.9258



14.9783, 15.0859, 50.8373

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.



14.5011, 16.5391, 80.1512



24.0312, 16.5391, 1.9258



6.9915, 16.5391, 36.4535

Square

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



24.0312, 16.5391, 1.9258



7.7465, 16.5391, 4.2934



9.5870, 16.5391, 63.9109



27.8583, 16.5391, 47.3197

Rectangle

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



24.0312, 16.5391, 1.9258



12.9201, 16.5391, 0.9210



9.5870, 16.5391, 63.9109



18.8975, 16.5391, 77.8066

Sweetspot

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



24.0316, 16.5400, 1.9261



67.6312, 66.0465, 48.7925



24.2724, 12.1621, 16.9882



14.3278, 13.7966, 9.4911



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.



24.0316, 16.5400, 1.9261



43.3168, 29.5088, 3.4127



35.7980, 40.0729, 5.8482



9.8473, 10.1706, 10.0208



16.0533, 11.1454, 1.3052



0.6935, 0.5660, 0.0727

Inverse Universe

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



14.9783, 15.0859, 50.8373



26.8915, 26.8349, 92.0414



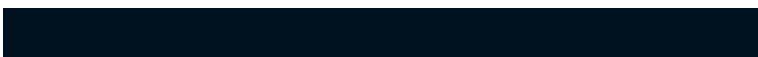
9.5272, 4.1836, 49.0202



9.4670, 10.1263, 12.1278



10.0386, 10.1889, 33.8305



0.4564, 0.5254, 1.3462

Previews

White Background



This preview shows how the XYZ color 24.0312, 16.5391, 1.9258 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



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 24.0312, 16.5391, 1.9258

Background



This preview shows how black text looks on a background with the XYZ color 24.0312, 16.5391, 1.9258.



This preview shows how white text looks on a background with the XYZ color 24.0312, 16.5391,

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

24.0312, 16.5391, 1.9258

Protanopia

15.0286, 16.6675, 2.9973

Deuteranopia

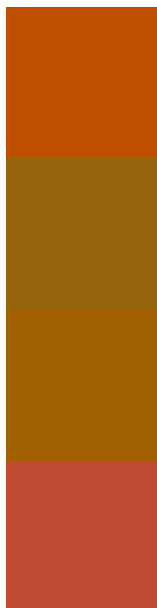
16.8642, 16.6544, 2.3258



Tritanopia

25.5622, 16.6541, 9.0750

Trichromacy



Original Color

24.0312, 16.5391, 1.9258

Protanomaly

17.4766, 15.9108, 2.4666

Deuteranomaly

18.9726, 16.1265, 2.1128

Tritanomaly

24.6460, 16.4755, 4.8987

Monochromacy



Original Color

24.0312, 16.5391, 1.9258

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.9777, 13.5497, 6.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0312, 16.5391, 1.9258 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(190, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 79, 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(190, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.0312, 16.5391, 1.9258 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(190, 79, 0) }
```


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

```
.border{ border-color:rgb(190, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0312, 16.5391, 1.9258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 79, 0) }
```

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

```
.background{ background-color: rgb(190, 79,  
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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