

Converting Colors

XYZ(24.3921, 16.5142, 1.9020)

Have a look what the booklet for
XYZ(24.3921, 16.5142, 1.9020)
contains.

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Color

**XYZ(24.3921, 16.5142,
1.9020)**

Conversions

Conversions Part 1

Format	Color
Hex	C04D00
RGB	192, 77, 0
RGB Percent	75%, 30%, 0%
CMY	0.2471, 0.6980, 1.0000
CMYK	0.00, 0.60, 1.00, 0.25
HSL	24°, 100%, 38%
HSV	24°, 100%, 75%
XYZ	24.3921, 16.5142, 1.9020
YIQ	102.6070, 93.2570, 0.4330

Conversions

Conversions Part 2

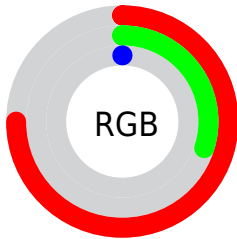
Format	Color
RYB	192, 129, 0
Decimal	12602624
CIELab	47.64, 43.42, 57.83
CIELCh	48, 72.321, 53.100
Yxy	16.5142, 0.5698, 0.3858
Android (android.graphics.Color)	4290792704 (0xFFC04D00)
YUV	102.6070, -50.5853, 78.3977
Hunter-Lab	40.6377, 36.0258, 25.6714

Details

The XYZ color **24.3921, 16.5142, 1.9020** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **15.6448, 16.0666, 52.1454**, and the grayscale version is **12.9011, 13.5730, 14.7810**.

A 20% lighter version of the original color is **49.8797, 37.2763, 8.7038**, and **9.5123, 5.3586, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **24.3922, 16.5147, 1.9020**, and if you desaturate by 10%, it is **25.3888, 18.3170, 2.8227**.

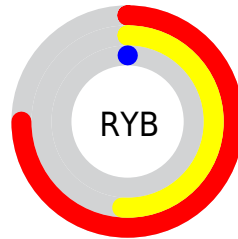
Distribution



Red (75%)

Green (30%)

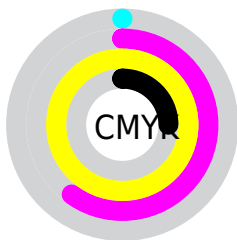
Blue (0%)



Red (75%)

Yellow (51%)

Blue (0%)

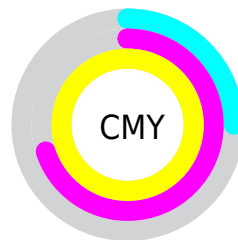


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3921, 16.5142, 1.9020 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 24.3921, 16.5142, 1.9020 by changing the saturation by 10% instead.


 24.3921, 16.5142,
1.9020


 24.3921, 16.5142,
1.9020


 267.2007,
232.3571, 120.8360


 15.7510, 9.8887,
0.4940


 50.1193, 37.4886,
8.7711


 9.4379, 5.3253,
0.0000


 67.9362, 52.6063,
15.1416


 5.0873, 2.4393,
0.0000

 89.5424, 71.3236,
24.0275

 2.3338, 0.8460,
0.0000

 115.3033, 94.0249,
35.8472


 0.8119, 0.0000,
0.0000


 145.5842,
121.0944, 51.0194


 0.0000, 0.0000,
0.0000


 180.7505,


152.9167, 69.9626


 221.1676,
189.8761, 93.0953


 24.3921, 16.5142,
1.9020


 24.3921, 16.5142,
1.9020


 24.3922, 16.5147,
1.9020

 25.3888, 18.3170,
2.8227

 26.6522, 20.4645,
4.4135

 28.2315, 22.9874,
6.8995

 30.1543, 25.9067,
10.3963

 32.4446, 29.2411,
15.0016

■ 35.1239, 33.0080,
20.8014

■ 38.2118, 37.2237,
27.8734

■ 41.7265, 41.9035,
36.2884

■ 45.6849, 47.0619,
46.1121

Harmonies

Analogous

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



30.1081, 16.5142, 7.3281



24.3921, 16.5142, 1.9020



17.2353, 16.5142, 0.7232

Triad

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



24.3921, 16.5142, 1.9020



6.3161, 16.5142, 14.0394



21.0881, 16.5142, 74.5166

Complementary

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



24.3921, 16.5142, 1.9020



15.6448, 16.0666, 52.1454

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.



14.2517, 16.5142, 81.4096



24.3921, 16.5142, 1.9020



6.8226, 16.5142, 35.8486

Square

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



24.3921, 16.5142, 1.9020



7.7146, 16.5142, 3.9675



9.3601, 16.5142, 64.0315



27.8640, 16.5142, 48.8900

Rectangle

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



24.3921, 16.5142, 1.9020



13.0472, 16.5142, 0.8182



9.3601, 16.5142, 64.0315



18.6816, 16.5142, 79.5955

Sweetspot

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



24.3925, 16.5151, 1.9023



68.9503, 67.0595, 49.8311



24.8442, 12.4489, 17.3740



14.2654, 13.6719, 9.4703



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.



24.3925, 16.5151, 1.9023



43.9674, 29.4633, 3.3696



36.6433, 41.0168, 5.9859



10.3973, 10.7261, 10.5842



16.4853, 11.2563, 1.3038



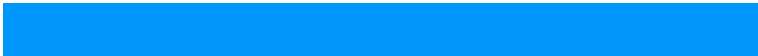
0.7797, 0.6213, 0.0788

Inverse Universe

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



15.6448, 16.0666, 52.1454



28.0940, 28.6046, 94.4008



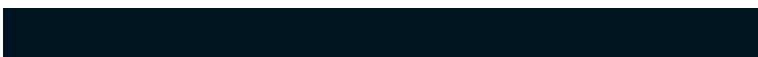
9.7508, 4.2785, 50.1807



10.0187, 10.7287, 12.8276



10.6051, 10.9666, 35.1144



0.5242, 0.6058, 1.5392

Previews

White Background



This preview shows how the XYZ color 24.3921, 16.5142, 1.9020 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 24.3921, 16.5142, 1.9020 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 24.3921, 16.5142, 1.9020

Background



This preview shows how black text looks on a background with the XYZ color 24.3921, 16.5142, 1.9020.



This preview shows how white text looks on a background with the XYZ color 24.3921, 16.5142,

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

24.3921, 16.5142, 1.9020

Protanopia

15.0369, 16.6708, 3.0414

Deuteranopia

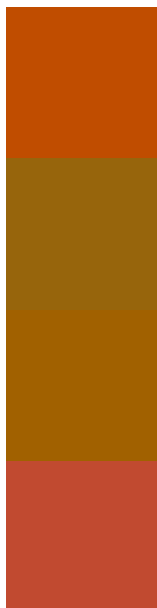
16.8642, 16.6544, 2.3258



Tritanopia

25.8700, 16.6259, 8.6831

Trichromacy



Original Color

24.3921, 16.5142, 1.9020

Protanomaly

17.4825, 15.9132, 2.4980

Deuteranomaly

18.9726, 16.1265, 2.1128

Tritanomaly

24.9746, 16.4484, 4.6549

Monochromacy



Original Color

24.3921, 16.5142, 1.9020

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 24.3921, 16.5142, 1.9020 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(192, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 77, 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(192, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.3921, 16.5142, 1.9020 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(192, 77, 0) }
```


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

```
.border{ border-color:rgb(192, 77, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3921, 16.5142, 1.9020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 77, 0) }
```

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

```
.background{ background-color: rgb(192, 77,  
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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