

# Converting Colors

XYZ(24.1272, 16.9628, 1.3935)

Have a look what the booklet for  
XYZ(24.1272, 16.9628, 1.3935)  
contains.

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# Color

**XYZ(24.2525, 16.9817,  
1.9996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE5200
RGB	190, 82, 0
RGB Percent	75%, 32%, 0%
CMY	0.2549, 0.6784, 1.0000
CMYK	0.00, 0.57, 1.00, 0.25
HSL	26°, 100%, 37%
HSV	26°, 100%, 75%
XYZ	24.2525, 16.9817, 1.9996
YIQ	104.9440, 90.6900, -2.6060

# Conversions

## Conversions Part 2

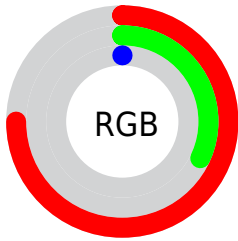
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 144, 0
Decimal	12472832
CIE <sub>Lab</sub>	48.24, 40.25, 57.99
CIE <sub>LCh</sub>	48, 70.587, 55.234
Yxy	16.9817, 0.5610, 0.3928
Android (android.graphics.Color)	4290662912 (0xFFBE5200)
YUV	104.9440, -51.7374, 74.5941
Hunter-Lab	41.2089, 32.9365, 25.9692

# Details

The XYZ color **24.2525, 16.9817, 1.9996** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.6567, 14.4425, 50.7300**, and the grayscale version is **13.5314, 14.2360, 15.5031**.

A 20% lighter version of the original color is **49.8487, 38.2591, 9.0324**, and **9.5175, 5.5957, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **24.2526, 16.9822, 1.9996**, and if you desaturate by 10%, it is **25.2500, 18.7888, 2.9121**.

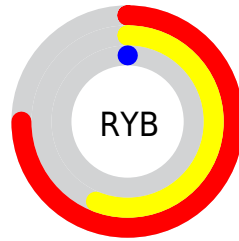
# Distribution



Red (75%)

Green (32%)

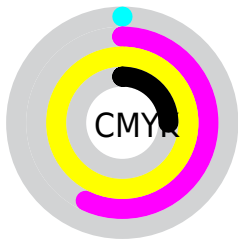
Blue (0%)



Red (75%)

Yellow (56%)

Blue (0%)

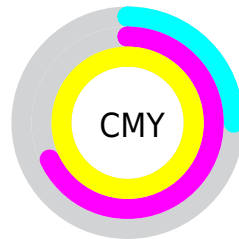


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (68%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2525, 16.9817, 1.9996 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 24.2525, 16.9817, 1.9996 by changing the saturation by 10% instead.





 24.2525, 16.9817,  
1.9996


 24.2525, 16.9817,  
1.9996


 266.5114,  
235.0669, 122.3706


 15.6468, 10.2214,  
0.5550


 49.8936, 38.2943,  
9.0397


 9.3638, 5.5460,  
0.0000


 67.6597, 53.6155,  
15.5275


 5.0382, 2.5711,  
0.0000

 89.2100, 72.5590,  
24.5518

 2.3047, 0.9121,  
0.0000

 114.9098, 95.5094,  
36.5312


 0.7971, 0.0000,  
0.0000


 145.1245,  
122.8510, 51.8843


 0.0000, 0.0000,  
0.0000


 180.2194,


154.9682, 71.0295

 220.5599,  
192.2453, 94.3854


 24.2525, 16.9817,  
1.9996

 24.2525, 16.9817,  
1.9996


 24.2526, 16.9822,  
1.9996

 25.2500, 18.7888,  
2.9121

 26.4957, 20.9085,  
4.4735

 28.0368, 23.3688,  
6.9046

 29.8993, 26.1881,  
10.3174

 32.1057, 29.3830,  
14.8071

■ 34.6759, 32.9687,  
20.4572

■ 37.6284, 36.9594,  
27.3429

■ 40.9802, 41.3687,  
35.5331

■ 44.7470, 46.2092,  
45.0915

# Harmonies

## Analogous

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



30.0800, 16.9817, 7.1425



24.2525, 16.9817, 1.9996



17.1880, 16.9817, 0.8966

# Triad

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



24.2525, 16.9817, 1.9996



6.6995, 16.9817, 15.7058



21.9960, 16.9817, 72.4500

# Complementary

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



24.2525, 16.9817, 1.9996



14.6567, 14.4425, 50.7300

# 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.



15.1366, 16.9817, 80.8356



24.2525, 16.9817, 1.9996



7.3513, 16.9817, 38.0283

# Square

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



24.2525, 16.9817, 1.9996



7.9753, 16.9817, 4.7697



10.0752, 16.9817, 65.3924



28.5535, 16.9817, 46.8634



# Rectangle

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



24.2525, 16.9817, 1.9996



13.1093, 16.9817, 1.0556



10.0752, 16.9817, 65.3924



19.6065, 16.9817, 77.8775

# Sweetspot

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



24.2529, 16.9827, 1.9999



67.9106, 66.6054, 48.8856



24.0953, 12.0913, 16.0553



14.3951, 13.9312, 9.5135



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.



24.2529, 16.9827, 1.9999



43.7136, 30.3024, 3.5450



36.4033, 41.2836, 6.0500



9.8597, 10.1954, 10.0249



16.2016, 11.4420, 1.3546



0.6997, 0.5783, 0.0747



# Inverse Universe

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



14.6567, 14.4425, 50.7300



26.3077, 25.6674, 91.8469



9.4772, 4.0835, 49.0035



9.4544, 10.1011, 12.1236



9.8249, 9.7615, 33.7592



0.4487, 0.5100, 1.3437



# Previews

## White Background



This preview shows how the XYZ color 24.2525, 16.9817, 1.9996 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 24.2525, 16.9817, 1.9996 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 24.2525, 16.9817, 1.9996**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.2525, 16.9817, 1.9996.



This preview shows how white text looks on a background with the XYZ color 24.2525, 16.9817,



# 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

24.2525, 16.9817, 1.9996

### Protanopia

15.5605, 17.2803, 3.0876

### Deuteranopia

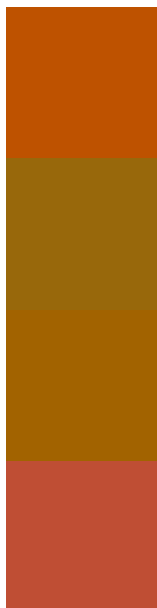
17.3227, 17.0483, 2.3776



## Tritanopia

25.8079, 16.9694, 9.6998

# Trichromacy



## Original Color

24.2525, 16.9817, 1.9996

## Protanomaly

17.9596, 16.6002, 2.5742

## Deuteranomaly

19.3621, 16.6051, 2.1846

## Tritanomaly

24.8301, 16.7731, 5.1776

# Monochromacy



## Original Color

24.2525, 16.9817, 1.9996

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

15.4412, 14.1889, 7.2351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.2525, 16.9817, 1.9996 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, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 82, 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, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 82, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 24.2525, 16.9817, 1.9996 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, 82, 0) }
```



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

```
.border{ border-color:rgb(190, 82, 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, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 82, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.2525, 16.9817, 1.9996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 82, 0) }
```

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

```
.background{ background-color: rgb(190, 82,  
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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