

Converting Colors

XYZ(24.1621, 16.6504, 4.8461)

Have a look what the booklet for
XYZ(24.1621, 16.6504, 4.8461)
contains.

XYZ(24.1621, 16.6504, 4.8461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.1621, 16.6504,
4.8461)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5031
RGB	188, 80, 49
RGB Percent	74%, 31%, 19%
CMY	0.2627, 0.6862, 0.8078
CMYK	0.00, 0.57, 0.74, 0.26
HSL	13°, 59%, 46%
HSV	13°, 74%, 74%
XYZ	24.1621, 16.6504, 4.8461
YIQ	108.7580, 74.3190, 13.2550

Conversions

Conversions Part 2

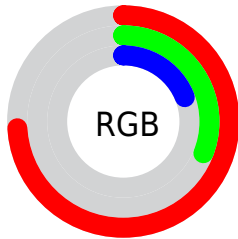
Format	Color
RYB	188, 89, 49
Decimal	12341297
CIELab	47.82, 41.67, 39.15
CIElCh	48, 57.176, 43.216
Yxy	16.6504, 0.5292, 0.3647
Android (android.graphics.Color)	4290531377 (0xFFBC5031)
YUV	108.7580, -29.4607, 69.4952
Hunter-Lab	40.8049, 34.2879, 21.5220

Details

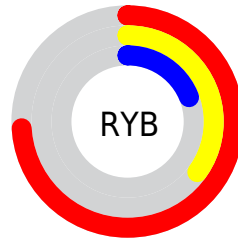
The XYZ color **24.1621, 16.6504, 4.8461** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.3998, 28.3959, 51.8771**, and the grayscale version is **14.5339, 15.2907, 16.6516**.

A 20% lighter version of the original color is **49.8333, 37.6896, 15.9576**, and **9.3050, 5.3774, 0.6050** is the 20% darker color. If you saturate the color by 10%, you get **22.8892, 14.6128, 2.8560**, and if you desaturate by 10%, it is **25.8337, 19.2211, 7.7855**.

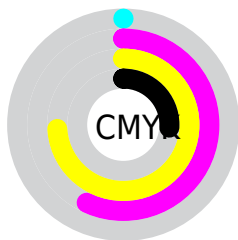
Distribution



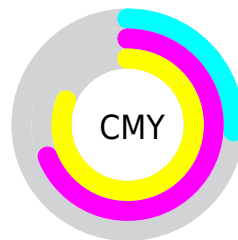
- Red (74%)
- Green (31%)
- Blue (19%)



- Red (74%)
- Yellow (35%)
- Blue (19%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (26%)





- Cyan (26%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1621, 16.6504, 4.8461 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 24.1621, 16.6504, 4.8461 by changing the saturation by 10% instead.


 24.1621, 16.6504,
4.8461


 24.1621, 16.6504,
4.8461


266.0643,
233.1496, 157.2107

 15.5793, 9.9856,
2.1001


 49.7473, 37.7237,
15.9184


 9.3159, 5.3894,
0.6158


 67.4805, 52.9010,
25.0817

 5.0066, 2.4775,
0.0000

 88.9945, 71.6845,
37.2213

 2.2859, 0.8653,
0.0000

 114.6546, 94.4586,
52.7555

 0.7874, 0.0000,
0.0000

 144.8264,
121.6078, 72.1031

 0.0000, 0.0000,
0.0000

 179.8750,

153.5164, 95.6824

220.1658,
190.5689, 123.9121

■ 24.1621, 16.6504,
4.8461

■ 24.1621, 16.6504,
4.8461

■ 22.8892, 14.6128,
2.8560

■ 25.8337, 19.2211,
7.7855

■ 21.9765, 13.0661,
1.6926

■ 27.9350, 22.3570,
11.7746

■ 21.5646, 12.3427,
1.2458

■ 30.4952, 26.0911,
16.9017

■ 33.5404, 30.4528,
23.2457

■ 37.0945, 35.4696,
30.8782

■ 41.1800, 41.1672,
39.8653

■ 45.8180, 47.5701,
50.2687

■ 51.0283, 54.7014,
62.1461

■ 56.8299, 62.5833,
75.5520

Harmonies

Analogous

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



27.5080, 16.6504, 12.4052



24.1621, 16.6504, 4.8461



18.8498, 16.6504, 2.3002

Triad

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



24.1621, 16.6504, 4.8461



8.1331, 16.6504, 11.1316



18.1908, 16.6504, 61.9095

Complementary

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



24.1621, 16.6504, 4.8461



22.3998, 28.3959, 51.8771

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.



13.1437, 16.6504, 60.8824



24.1621, 16.6504, 4.8461



8.0315, 16.6504, 25.3890

Square

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



24.1621, 16.6504, 4.8461



9.9844, 16.6504, 4.3479



9.6682, 16.6504, 45.1853



23.5906, 16.6504, 47.5115

Rectangle

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



24.1621, 16.6504, 4.8461



15.2785, 16.6504, 2.0197



9.6682, 16.6504, 45.1853



16.3858, 16.6504, 63.5198

Sweetspot

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



24.1625, 16.6513, 4.8464



68.3301, 65.8273, 58.3625



27.9988, 15.3526, 33.7828



14.2902, 13.5895, 11.6718



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.



24.1625, 16.6513, 4.8464



40.3354, 24.5592, 3.6470



31.9803, 32.2869, 7.4523



9.6982, 9.8723, 9.9710



14.7291, 8.4970, 0.8638



0.6272, 0.4333, 0.0506

Inverse Universe

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



22.3998, 28.3959, 51.8771



36.6863, 46.3831, 93.2455



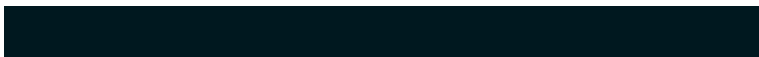
13.8651, 11.3265, 49.0322



9.6232, 10.4387, 12.1799



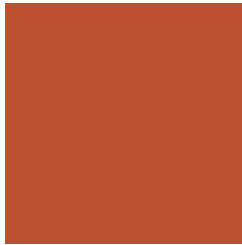
13.2426, 16.5968, 34.8985



0.5641, 0.7408, 1.3821

Previews

White Background



This preview shows how the XYZ color 24.1621, 16.6504, 4.8461 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 24.1621, 16.6504, 4.8461 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 24.1621, 16.6504, 4.8461

Background



This preview shows how black text looks on a background with the XYZ color 24.1621, 16.6504, 4.8461.



This preview shows how white text looks on a background with the XYZ color 24.1621, 16.6504,

4.8461.

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

24.1621, 16.6504, 4.8461

Protanopia

15.4371, 16.7965, 6.7034

Deuteranopia

16.9358, 16.6431, 4.5103



Tritanopia

25.0559, 16.5818, 9.6646

Trichromacy



Original Color

24.1621, 16.6504, 4.8461

Protanomaly

17.8596, 16.1778, 5.9227

Deuteranomaly

19.1394, 16.2958, 4.6193

Tritanomaly

24.7143, 16.5562, 7.5233

Monochromacy



Original Color

24.1621, 16.6504, 4.8461

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.5692, 14.8268, 11.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1621, 16.6504, 4.8461 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(188, 80, 49)` looks like.

```
.text, #text, p{  
    color:rgb(188, 80, 49)  
}
```

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(188, 80, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 80, 49) }
```

Border

The CSS property to change the border of an element to XYZ 24.1621, 16.6504, 4.8461 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(188, 80, 49) }
```


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

```
.border{ border-color:rgb(188, 80, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 80, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 80, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 80, 49);  
box-shadow:4px 4px 4px 4px rgb(188, 80,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1621, 16.6504, 4.8461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 80, 49) }
```

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

```
.background{ background-color: rgb(188, 80,  
49) }
```

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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