

Converting Colors

XYZ(24.3435, 16.7546, 4.8635)

Have a look what the booklet for
XYZ(24.3435, 16.7546, 4.8635)
contains.

XYZ(24.4093, 16.7779, 4.8577)	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(24.4093, 16.7779,
4.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5031
RGB	189, 80, 49
RGB Percent	74%, 31%, 19%
CMY	0.2588, 0.6862, 0.8078
CMYK	0.00, 0.58, 0.74, 0.26
HSL	13°, 59%, 47%
HSV	13°, 74%, 74%
XYZ	24.4093, 16.7779, 4.8577
YIQ	109.0570, 74.9150, 13.4670

Conversions

Conversions Part 2

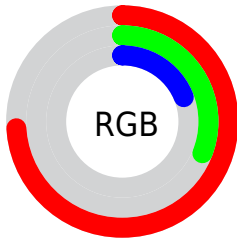
Format	Color
R_{YB}	189, 89, 49
Decimal	12406833
CIE _{Lab}	47.98, 42.04, 39.37
CIE _{LCh}	48, 57.603, 43.122
Yxy	16.7779, 0.5301, 0.3644
Android (android.graphics.Color)	4290596913 (0xFFBD5031)
YUV	109.0570, -29.6081, 70.1100
Hunter-Lab	40.9608, 34.6899, 21.6412

Details

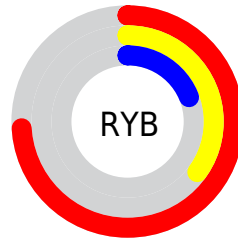
The XYZ color **24.4093, 16.7779, 4.8577** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.6777, 28.7787, 52.5033**, and the grayscale version is **14.6192, 15.3805, 16.7494**.

A 20% lighter version of the original color is **50.1926, 37.8748, 15.9744**, and **9.4562, 5.4554, 0.6120** is the 20% darker color. If you saturate the color by 10%, you get **23.1289, 14.7273, 2.8587**, and if you desaturate by 10%, it is **26.0936, 19.3691, 7.8164**.

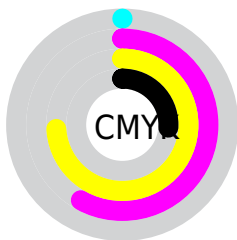
Distribution



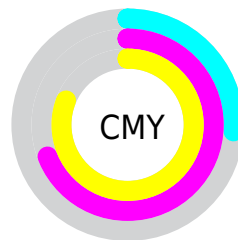
- Red (74%)
- Green (31%)
- Blue (19%)



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



- Cyan (0%)
- Magenta (58%)
- Yellow (74%)
- Black (26%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4093, 16.7779, 4.8577 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 24.4093, 16.7779, 4.8577 by changing the saturation by 10% instead.


 24.4093, 16.7779,
4.8577


 24.4093, 16.7779,
4.8577


267.2855,
233.8892, 157.3287


 15.7639, 10.0763,
2.1067


 50.1471, 37.9435,
15.9440


 9.4470, 5.4496,
0.6198


 67.9703, 53.1763,
25.1164

 5.0933, 2.5134,
0.0000

 89.5833, 72.0216,
37.2664

 2.3374, 0.8833,
0.0000

 115.3517, 94.8637,
52.8125

 0.8137, 0.0000,
0.0000

 145.6408,
122.0872, 72.1732

 0.0000, 0.0000,
0.0000

 180.8159,

154.0763, 95.7671

221.2423,
191.2155, 124.0128

■ 24.4093, 16.7779,
4.8577

■ 24.4093, 16.7779,
4.8577

■ 23.1289, 14.7273,
2.8587

■ 26.0936, 19.3691,
7.8164

■ 22.2132, 13.1744,
1.6949

■ 28.2135, 22.5340,
11.8368

■ 21.8090, 12.4646,
1.2564

■ 30.7985, 26.3059,
17.0086

■ 33.8752, 30.7149,
23.4118

■ 37.4681, 35.7891,
31.1192

■ 41.5999, 41.5548,
40.1979

■ 46.2922, 48.0367,
50.7102

■ 51.5650, 55.2585,
62.7149

■ 57.4377, 63.2428,
76.2672

Harmonies

Analogous

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



27.7929, 16.7779, 12.5109



24.4093, 16.7779, 4.8577



19.0277, 16.7779, 2.2876

Triad

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



24.4093, 16.7779, 4.8577



8.1684, 16.7779, 11.1552



18.3248, 16.7779, 62.7175

Complementary

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



24.4093, 16.7779, 4.8577



22.6777, 28.7787, 52.5033

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.



13.2180, 16.7779, 61.6191



24.4093, 16.7779, 4.8577



8.0604, 16.7779, 25.5662

Square

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



24.4093, 16.7779, 4.8577



10.0451, 16.7779, 4.3296



9.7085, 16.7779, 45.6446



23.7993, 16.7779, 48.1309

Rectangle

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



24.4093, 16.7779, 4.8577



15.4088, 16.7779, 2.0024



9.7085, 16.7779, 45.6446



16.4973, 16.7779, 64.3352

Sweetspot

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



24.4097, 16.7788, 4.8580



68.3099, 65.7869, 58.3557



28.3136, 15.5071, 34.1502



14.2855, 13.5801, 11.6702



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.



24.4097, 16.7788, 4.8580



40.3118, 24.5120, 3.6392



32.3408, 32.6410, 7.5017



9.6970, 9.8699, 9.9706



14.7217, 8.4822, 0.8613



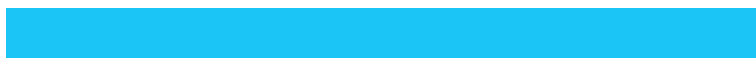
0.6267, 0.4323, 0.0504

Inverse Universe

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



22.6777, 28.7787, 52.5033



36.7646, 46.5397, 93.2716



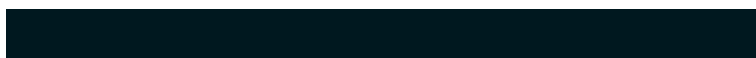
13.9967, 11.4166, 49.6097



9.6245, 10.4413, 12.1803



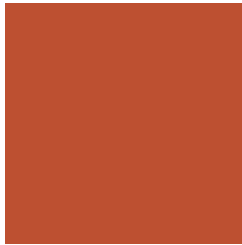
13.2737, 16.6591, 34.9088



0.5651, 0.7428, 1.3825

Previews

White Background



This preview shows how the XYZ color 24.4093, 16.7779, 4.8577 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 24.4093, 16.7779, 4.8577 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 24.4093, 16.7779, 4.8577

Background



This preview shows how black text looks on a background with the XYZ color 24.4093, 16.7779, 4.8577.



This preview shows how white text looks on a background with the XYZ color 24.4093, 16.7779,

4.8577.

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

24.4093, 16.7779, 4.8577

Protanopia

15.5505, 17.0233, 6.7412

Deuteranopia

17.2142, 16.9441, 4.5537



Tritanopia

25.3048, 16.7101, 9.6762

Trichromacy



Original Color

24.4093, 16.7779, 4.8577

Protanomaly

17.8596, 16.1778, 5.9227

Deuteranomaly

19.3385, 16.3984, 4.6286

Tritanomaly

24.9633, 16.6846, 7.5350

Monochromacy



Original Color

24.4093, 16.7779, 4.8577

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 24.4093, 16.7779, 4.8577 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(189, 80, 49)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 80, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 80, 49) }
```

Border

The CSS property to change the border of an element to XYZ 24.4093, 16.7779, 4.8577 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(189, 80, 49) }
```


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

```
.border{ border-color:rgb(189, 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(189, 80, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 80, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 80, 49);  
box-shadow:4px 4px 4px 4px rgb(189, 80,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4093, 16.7779, 4.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 80, 49) }
```

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

```
.background{ background-color: rgb(189, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor