

Converting Colors

XYZ(24.1053, 16.0818, 3.2153)

Have a look what the booklet for
XYZ(24.1053, 16.0818, 3.2153)
contains.

XYZ(24.0120, 16.0836, 3.2054)	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(24.0120, 16.0836,
3.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	BE4B20
RGB	190, 75, 32
RGB Percent	75%, 29%, 13%
CMY	0.2549, 0.7059, 0.8745
CMYK	0.00, 0.61, 0.83, 0.25
HSL	16°, 71%, 44%
HSV	16°, 83%, 75%
XYZ	24.0120, 16.0836, 3.2054
YIQ	104.4830, 82.3430, 11.0070

Conversions

Conversions Part 2

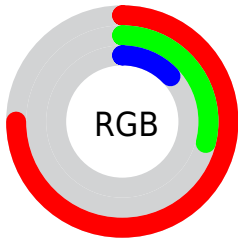
Format	Color
R _Y B	190, 91, 32
Decimal	12471072
CIE Lab	47.08, 44.17, 47.01
CIE LCh	47, 64.505, 46.785
Yxy	16.0836, 0.5545, 0.3714
Android (android.graphics.Color)	4290661152 (0xFFBE4B20)
YUV	104.4830, -35.7341, 74.9984
Hunter-Lab	40.1044, 36.6921, 23.3342

Details

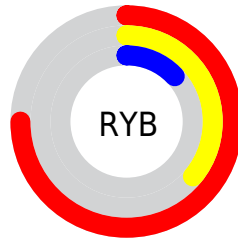
The XYZ color **24.0120, 16.0836, 3.2054** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.3227, 24.8903, 52.4480**, and the grayscale version is **13.3661, 14.0621, 15.3137**.

A 20% lighter version of the original color is **49.6752, 36.9002, 12.0937**, and **9.2861, 5.1329, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **22.9860, 14.3328, 1.9358**, and if you desaturate by 10%, it is **25.3913, 18.3035, 5.3268**.

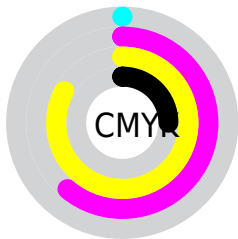
Distribution



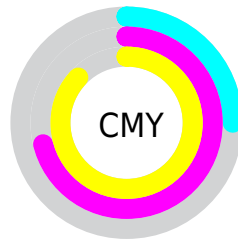
- Red (75%)
- Green (29%)
- Blue (13%)



- Red (75%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (83%)
- Black (25%)





- Cyan (25%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0120, 16.0836, 3.2054 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 24.0120, 16.0836, 3.2054 by changing the saturation by 10% instead.


 24.0120, 16.0836,
3.2054


 24.0120, 16.0836,
3.2054


265.3205,
229.8345, 138.9352


 15.4673, 9.5833,
1.2004


 49.5043, 36.7433,
12.1312


 9.2365, 5.1236,
0.0000


 67.1826, 51.6715,
19.8891

 4.9541, 2.3200,
0.0000

 88.6362, 70.1778,
30.4018

 2.2548, 0.7842,
0.0000

 114.2304, 92.6466,
44.0878

 0.7714, 0.0000,
0.0000

 144.3306,
119.4622, 61.3655

 0.0000, 0.0000,
0.0000

 179.3021,

151.0092, 82.6537

219.5103,
187.6718, 108.3707

24.0120, 16.0836,
3.2054

24.0120, 16.0836,
3.2054

22.9860, 14.3328,
1.9358

25.3913, 18.3035,
5.3268

22.4504, 13.3778,
1.3989

27.1575, 21.0231,
8.4211

29.3406, 24.2730,
12.5903

31.9672, 28.0805,
17.9230

35.0617, 32.4711,
24.4988

■ 38.6464, 37.4684,
32.3899

■ 42.7422, 43.0948,
41.6633

■ 47.3688, 49.3716,
52.3812

■ 52.5446, 56.3188,
64.6019

Harmonies

Analogous

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



28.2475, 16.0836, 9.9674



24.0120, 16.0836, 3.2054



17.9113, 16.0836, 1.3221

Triad

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



24.0120, 16.0836, 3.2054



6.9534, 16.0836, 11.3117



18.6490, 16.0836, 67.4854

Complementary

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



24.0120, 16.0836, 3.2054



20.3227, 24.8903, 52.4480

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.



12.9324, 16.0836, 68.7281



24.0120, 16.0836, 3.2054



7.0577, 16.0836, 28.1393

Square

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



24.0120, 16.0836, 3.2054



8.6500, 16.0836, 3.6687



8.9821, 16.0836, 51.4485



24.6656, 16.0836, 48.6835

Rectangle

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



24.0120, 16.0836, 3.2054



14.0373, 16.0836, 1.2166



8.9821, 16.0836, 51.4485



16.6088, 16.0836, 70.2489

Sweetspot

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



24.0124, 16.0845, 3.2057



68.4939, 65.7651, 55.2670



27.0863, 14.1141, 29.2584



14.5262, 13.7253, 11.0004



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.



24.0124, 16.0845, 3.2057



40.5080, 23.8911, 2.4764



32.9088, 33.8775, 6.1712



9.7358, 9.9476, 9.9836



14.9853, 9.0094, 0.9492



0.6435, 0.4659, 0.0560

Inverse Universe

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



20.3227, 24.8903, 52.4480



33.1686, 39.3890, 94.1338



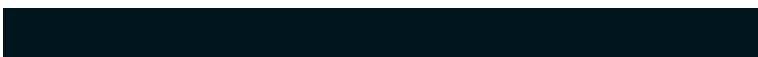
12.0099, 8.2648, 49.6771



9.5830, 10.3583, 12.1665



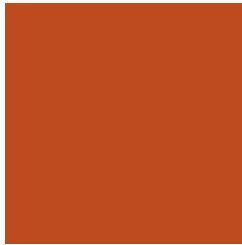
12.3185, 14.7487, 34.5904



0.5342, 0.6811, 1.3722

Previews

White Background



This preview shows how the XYZ color 24.0120, 16.0836, 3.2054 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 24.0120, 16.0836, 3.2054 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 24.0120, 16.0836, 3.2054

Background



This preview shows how black text looks on a background with the XYZ color 24.0120, 16.0836, 3.2054.



This preview shows how white text looks on a background with the XYZ color 24.0120, 16.0836,

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

24.0120, 16.0836, 3.2054

Protanopia

14.7805, 16.3374, 4.5649

Deuteranopia

16.5306, 16.3132, 2.8936



Tritanopia

25.0091, 16.0908, 8.4443

Trichromacy



Original Color

24.0120, 16.0836, 3.2054

Protanomaly

17.2061, 15.4532, 3.9096

Deuteranomaly

18.5552, 15.6213, 2.9014

Tritanomaly

24.5926, 16.0269, 5.9350

Monochromacy



Original Color

24.0120, 16.0836, 3.2054

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.2812, 13.5297, 9.0138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0120, 16.0836, 3.2054 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, 75, 32)` looks like.

```
.text, #text, p{  
    color:rgb(190, 75, 32)  
}
```

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, 75, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 75, 32) }
```

Border

The CSS property to change the border of an element to XYZ 24.0120, 16.0836, 3.2054 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, 75, 32) }
```


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

```
.border{ border-color:rgb(190, 75, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 75, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 75, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 75, 32);  
box-shadow:4px 4px 4px 4px rgb(190, 75,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0120, 16.0836, 3.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 75, 32) }
```

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

```
.background{ background-color: rgb(190, 75,  
32) }
```

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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