

# Converting Colors

XYZ(24.7485, 16.5857, 5.9655)

Have a look what the booklet for  
XYZ(24.7485, 16.5857, 5.9655)  
contains.

<b>XYZ(24.6528, 16.5604, 5.9001)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.6528, 16.5604,  
5.9001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE4D3A
RGB	190, 77, 58
RGB Percent	75%, 30%, 23%
CMY	0.2549, 0.6980, 0.7725
CMYK	0.00, 0.59, 0.69, 0.25
HSL	9°, 53%, 49%
HSV	9°, 69%, 75%
XYZ	24.6528, 16.5604, 5.9001
YIQ	108.6210, 73.4470, 18.0470

# Conversions

## Conversions Part 2

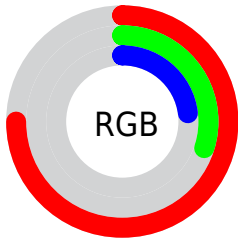
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 80, 58
Decimal	12471610
CIE <sub>Lab</sub>	47.70, 44.29, 34.15
CIE <sub>LCh</sub>	48, 55.929, 37.629
Yxy	16.5604, 0.5233, 0.3515
Android (android.graphics.Color)	4290661690 (0xFFBE4D3A)
YUV	108.6210, -24.9562, 71.3694
Hunter-Lab	40.6945, 36.9204, 19.8900

# Details

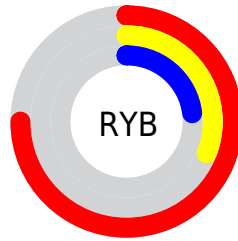
The XYZ color **24.6528, 16.5604, 5.9001** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.6008, 33.7404, 53.8781**, and the grayscale version is **14.4830, 15.2372, 16.5933**.

A 20% lighter version of the original color is **50.7290, 37.7013, 18.2390**, and **9.5721, 5.3514, 0.9439** is the 20% darker color. If you saturate the color by 10%, you get **23.2563, 14.4037, 3.4740**, and if you desaturate by 10%, it is **26.5129, 19.3593, 9.3606**.

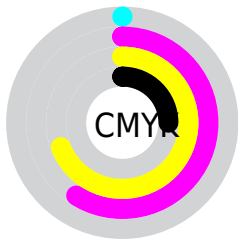
# Distribution



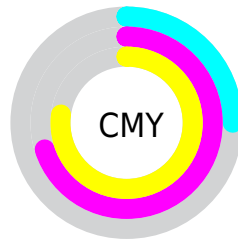
- Red (75%)
- Green (30%)
- Blue (23%)



- Red (75%)
- Yellow (31%)
- Blue (23%)



- Cyan (0%)
- Magenta (59%)
- Yellow (69%)
- Black (25%)




- Cyan (25%)
- Magenta (70%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6528, 16.5604, 5.9001 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 24.6528, 16.5604, 5.9001 by changing the saturation by 10% instead.




 24.6528, 16.5604,  
5.9001

 24.6528, 16.5604,  
5.9001


268.4841,  
232.6262, 167.4513


 15.9459, 9.9216,  
2.7166


 50.5404, 37.5684,  
18.1973


 9.5765, 5.3470,  
0.9518


 68.4518, 52.7063,  
28.1480

 5.1792, 2.4523,  
0.0000

 90.1620, 71.4461,  
41.1916

 2.3886, 0.8526,  
0.0000

 116.0365, 94.1721,  
57.7466

 0.8394, 0.0000,  
0.0000

 146.4406,  
121.2687, 78.2315

 0.0000, 0.0000,  
0.0000

 181.7397,

153.1203, 103.0649

222.2991,  
190.1114, 132.6653

■ 24.6528, 16.5604,  
5.9001

■ 24.6528, 16.5604,  
5.9001

■ 23.2563, 14.4037,  
3.4740

■ 26.5129, 19.3593,  
9.3606

■ 22.2800, 12.8348,  
1.9649

■ 28.8724, 22.8435,  
13.9540

■ 21.6609, 11.7900,  
1.1628

■ 31.7649, 27.0554,  
19.7679

■ 21.6353, 11.7475,  
1.1272

■ 35.2207, 32.0333,  
26.8812

■ 39.2677, 37.8127,  
35.3661

■ 43.9322, 44.4270,  
45.2897

■ 49.2385, 51.9076,  
56.7144

■ 55.2100, 60.2842,  
69.6991

■ 61.8685, 69.5853,  
84.2994

# Harmonies

## Analogous

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



27.3277, 16.5604, 14.6161



24.6528, 16.5604, 5.9001



19.6921, 16.5604, 2.6707

# Triad

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



24.6528, 16.5604, 5.9001



8.4158, 16.5604, 9.4479



17.0519, 16.5604, 61.4331

# Complementary

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



24.6528, 16.5604, 5.9001



25.6008, 33.7404, 53.8781

# 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.



12.3558, 16.5604, 57.3834



24.6528, 16.5604, 5.9001



8.0020, 16.5604, 21.9413

# Square

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



24.6528, 16.5604, 5.9001



10.5677, 16.5604, 3.8308



9.2853, 16.5604, 40.6209



22.3733, 16.5604, 49.8293



# Rectangle

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



24.6528, 16.5604, 5.9001



16.1415, 16.5604, 2.1370



9.2853, 16.5604, 40.6209



15.3456, 16.5604, 61.9332

# Sweetspot

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



24.6532, 16.5613, 5.9004



69.7067, 66.4544, 61.0241



30.2330, 16.9672, 40.9128



14.8450, 13.9340, 12.4293



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.



24.6532, 16.5613, 5.9004



41.1924, 24.5899, 4.7704



31.6124, 30.4797, 8.2201



9.6381, 9.7521, 9.9510



14.4220, 7.8827, 0.7614



0.6009, 0.3808, 0.0418



# Inverse Universe

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



25.6008, 33.7404, 53.8781



42.8161, 57.2637, 97.0755



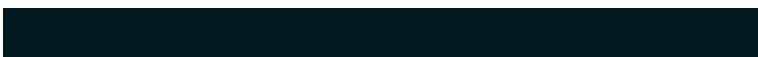
16.2345, 15.0080, 50.7561



9.6883, 10.5690, 12.2016



14.8910, 19.8937, 35.4479

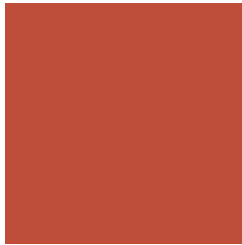


0.6158, 0.8442, 1.3994



# Previews

## White Background



This preview shows how the XYZ color 24.6528, 16.5604, 5.9001 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 24.6528, 16.5604, 5.9001 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 24.6528, 16.5604, 5.9001**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6528, 16.5604, 5.9001.



This preview shows how white text looks on a background with the XYZ color 24.6528, 16.5604,



# 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

24.6528, 16.5604, 5.9001

### Protanopia

15.4668, 16.7746, 8.3839

### Deuteranopia

16.9669, 16.6358, 5.5656



## Tritanopia

25.3459, 16.5384, 9.2535

# Trichromacy



## Original Color

24.6528, 16.5604, 5.9001

## Protanomaly

17.8498, 15.9966, 7.3011

## Deuteranomaly

19.2386, 16.1867, 5.6004

## Tritanomaly

25.1393, 16.5635, 7.8333

# Monochromacy



## Original Color

24.6528, 16.5604, 5.9001

## Achromatopsia

14.5356, 15.2926, 16.6537

## Achromatomaly

16.6014, 14.6908, 11.6335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6528, 16.5604, 5.9001 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, 77, 58)` looks like.

```
.text, #text, p{  
    color:rgb(190, 77, 58)  
}
```

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, 77, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 77, 58) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6528, 16.5604, 5.9001 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, 77, 58) }
```



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

```
.border{ border-color:rgb(190, 77, 58) }
```

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

Here you see how a box with a 4 pixel rgb(190, 77, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 77, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 77, 58);  
box-shadow:4px 4px 4px 4px rgb(190, 77,  
58) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6528, 16.5604, 5.9001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 77, 58) }
```

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

```
.background{ background-color: rgb(190, 77,  
58) }
```

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