

# Converting Colors

XYZ(15.8241, 28.0078, 10.2195)

Have a look what the booklet for  
XYZ(15.8241, 28.0078, 10.2195)  
contains.

<b>XYZ(15.8447, 28.0180, 10.2031)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(15.8447, 28.0180,  
10.2031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32A545
RGB	50, 165, 69
RGB Percent	20%, 65%, 27%
CMY	0.8039, 0.3529, 0.7294
CMYK	0.70, 0.00, 0.58, 0.35
HSL	130°, 53%, 42%
HSV	130°, 70%, 65%
XYZ	15.8447, 28.0180, 10.2031
YIQ	119.6710, -37.7240, -54.2360

# Conversions

## Conversions Part 2

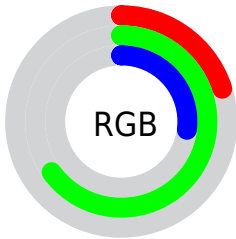
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 149, 165
Decimal	3319109
CIELab	59.90, -52.00, 40.03
CIELCh	60, 65.619, 142.409
Yxy	28.0180, 0.2931, 0.5182
Android (android.graphics.Color)	4281509189 (0xFF32A545)
YUV	119.6710, -24.9808, -61.1015
Hunter-Lab	52.9320, -39.1988, 25.6238

# Details

The XYZ color **15.8447, 28.0180, 10.2031** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.8468, 12.3564, 28.4285**, and the grayscale version is **17.8340, 18.7627, 20.4326**.

A 20% lighter version of the original color is **35.9287, 56.5137, 26.7839**, and **5.8953, 11.6288, 2.4642** is the 20% darker color. If you saturate the color by 10%, you get **14.7941, 27.5210, 8.1756**, and if you desaturate by 10%, it is **17.2891, 28.7082, 12.7685**.

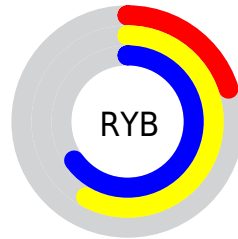
# Distribution



Red (20%)

Green (65%)

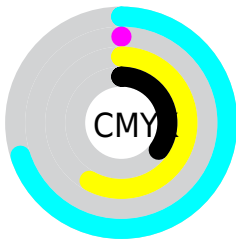
Blue (27%)



Red (20%)

Yellow (58%)

Blue (65%)

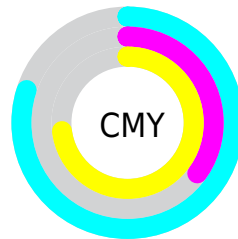


Cyan (70%)

Magenta (0%)

Yellow (58%)

Black (35%)



Cyan (80%)

Magenta (35%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8447, 28.0180, 10.2031 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 15.8447, 28.0180, 10.2031 by changing the saturation by 10% instead.



■ 15.8447, 28.0180,  
10.2031

■ 15.8447, 28.0180,  
10.2031

221.7120,  
292.5529, 202.6527

■ 9.5045, 18.3392,  
5.4265

■ 35.8880, 56.5132,  
26.7906

■ 5.1314, 11.1938,  
2.4365

■ 50.3218, 76.0984,  
39.4385

■ 2.3601, 6.1973,  
0.8062

■ 68.1842, 99.7545,  
55.5473

■ 0.8252, 2.9655,  
0.0000

■ 89.8405, 127.8660,  
75.5354

■ 0.0000, 1.1137,  
0.0000

■ 115.6561,  
160.8171, 99.8215

■ 0.0000, 0.0000,  
0.0000

145.9963,

198.9924, 128.8241

181.2265,  
242.7762, 162.9616

■ 15.8447, 28.0180,  
10.2031

■ 15.8447, 28.0180,  
10.2031

■ 14.7941, 27.5210,  
8.1756

■ 17.2891, 28.7082,  
12.7685

■ 14.0951, 27.1938,  
6.6457

■ 19.1599, 29.6051,  
15.9042

■ 13.6677, 26.9969,  
5.5692

■ 21.4885, 30.7252,  
19.6427

■ 13.6565, 26.9917,  
5.5430

■ 24.3028, 32.0822,  
24.0131

■ 27.6285, 33.6888,  
29.0429

■ 31.4893, 35.5566,  
34.7578

■ 35.9076, 37.6967,  
41.1822

■ 40.9044, 40.1194,  
48.3392

■ 46.4997, 42.8346,  
56.2511

# Harmonies

## Analogous

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



20.9771, 28.0180, 4.7099



15.8447, 28.0180, 10.2031



13.6960, 28.0180, 24.8378

# Triad

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



15.8447, 28.0180, 10.2031



24.5693, 28.0180, 102.3458



44.3595, 28.0180, 16.1439

# Complementary

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



15.8447, 28.0180, 10.2031



21.8468, 12.3564, 28.4285

# 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.



45.8796, 28.0180, 36.9788



15.8447, 28.0180, 10.2031



33.2175, 28.0180, 95.6334

# Square

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



15.8447, 28.0180, 10.2031



18.0031, 28.0180, 83.2284



41.4513, 28.0180, 67.9345



37.6491, 28.0180, 6.6787



# Rectangle

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



15.8447, 28.0180, 10.2031



13.8467, 28.0180, 41.4687



41.4513, 28.0180, 67.9345



45.5442, 28.0180, 21.6700

# Sweetspot

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



15.8454, 28.0192, 10.2037



48.4072, 59.8140, 50.4063



26.1995, 33.4145, 8.0866



10.2336, 12.9078, 10.4942



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8454, 28.0192, 10.2037



25.6913, 48.9093, 12.9369



18.4570, 29.0638, 23.9563



7.0311, 7.9133, 7.7755



10.3440, 20.4239, 4.2620



0.2300, 0.4342, 0.1564



# Inverse Universe

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



21.8468, 12.3564, 28.4285



37.0711, 18.9664, 47.3141



18.5145, 11.0235, 10.8811



7.3138, 7.1820, 8.6391



15.2106, 7.4403, 18.8314



0.3322, 0.1614, 0.4619



# Previews

## White Background



This preview shows how the XYZ color 15.8447, 28.0180, 10.2031 looks on a white 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



# Black Background



This preview shows how the XYZ color 15.8447, 28.0180, 10.2031 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 15.8447, 28.0180, 10.2031**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.8447, 28.0180, 10.2031.



This preview shows how white text looks on a background with the XYZ color 15.8447, 28.0180,



# 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

15.8447, 28.0180, 10.2031

### Protanopia

24.9900, 27.3637, 8.5220

### Deuteranopia

27.9644, 27.5411, 10.8633



## Tritanopia

22.0047, 27.9382, 40.7921

# Trichromacy



## Original Color

15.8447, 28.0180, 10.2031



## Protanomaly

19.6285, 26.4368, 9.0693



## Deuteranomaly

20.8757, 26.1077, 10.4176



## Tritanomaly

18.9491, 27.7002, 25.8207

# Monochromacy



## Original Color

15.8447, 28.0180, 10.2031



## Achromatopsia

17.8524, 18.7821, 20.4537



## Achromatomaly

15.8724, 20.9808, 15.5251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.8447, 28.0180, 10.2031 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(50, 165, 69)` looks like.

```
.text, #text, p{  
    color:rgb(50, 165, 69)  
}
```

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(50, 165, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 165, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 15.8447, 28.0180, 10.2031 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(50, 165, 69) }
```



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

```
.border{ border-color:rgb(50, 165, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 165, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 165, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 165, 69);  
box-shadow:4px 4px 4px 4px rgb(50, 165,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.8447, 28.0180, 10.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 165, 69) }
```

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

```
.background{ background-color: rgb(50, 165,  
69) }
```

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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