

Converting Colors

XYZ(15.8374, 28.7670, 13.1367)

Have a look what the booklet for
XYZ(15.8374, 28.7670, 13.1367)
contains.

XYZ(15.8340, 28.7645, 13.1051)	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(15.8340, 28.7645,
13.1051)**

Conversions

Conversions Part 1

Format	Color
Hex	11A854
RGB	17, 168, 84
RGB Percent	7%, 66%, 33%
CMY	0.9333, 0.3412, 0.6706
CMYK	0.90, 0.00, 0.50, 0.34
HSL	147°, 82%, 36%
HSV	147°, 90%, 66%
XYZ	15.8340, 28.7645, 13.1051
YIQ	113.2750, -63.0320, -58.1360

Conversions

Conversions Part 2

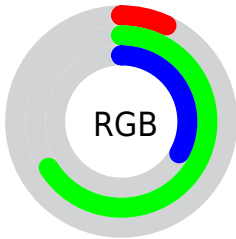
Format	Color
R_{YB}	17, 122, 168
Decimal	1157204
CIE _{Lab}	60.57, -54.94, 33.28
CIE _{LCh}	61, 64.230, 148.797
Yxy	28.7645, 0.2744, 0.4985
Android (android.graphics.Color)	4279347284 (0xFF11A854)
YUV	113.2750, -14.4326, -84.4332
Hunter-Lab	53.6325, -41.1582, 23.0553

Details

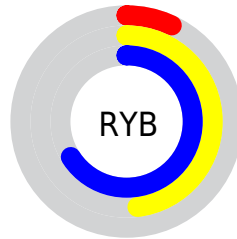
The XYZ color **15.8340, 28.7645, 13.1051** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.6987, 9.6658, 13.1930**, and the grayscale version is **15.8334, 16.6580, 18.1406**.

A 20% lighter version of the original color is **35.7481, 57.4935, 32.1349**, and **6.3358, 12.1620, 3.6826** is the 20% darker color. If you saturate the color by 10%, you get **15.2640, 28.5110, 11.2938**, and if you desaturate by 10%, it is **16.6476, 29.1396, 15.1841**.

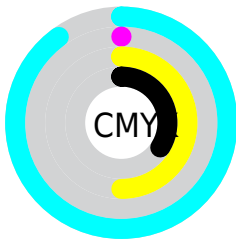
Distribution



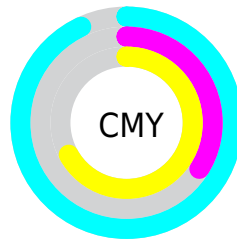
- Red (7%)
- Green (66%)
- Blue (33%)



- Red (7%)
- Yellow (48%)
- Blue (66%)



- Cyan (90%)
- Magenta (0%)
- Yellow (50%)
- Black (34%)



- Cyan (93%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8340, 28.7645, 13.1051 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 15.8340, 28.7645, 13.1051 by changing the saturation by 10% instead.

■ 15.8340, 28.7645,
13.1051

■ 15.8340, 28.7645,
13.1051

■ 221.6499,
296.1022, 222.8216

■ 9.4969, 18.9027,
7.3694

■ 35.8696, 57.7027,
32.1864

■ 5.1264, 11.6000,
3.6122

■ 50.2987, 77.5480,
46.3691

■ 2.3571, 6.4719,
1.4151

■ 68.1559, 101.4898,
64.2045

■ 0.8236, 3.1341,
0.1535

■ 89.8065, 129.9127,
86.1112

■ 0.0000, 1.2022,
0.0000

■ 115.6158,
163.2010, 112.5077

■ 0.0000, 0.0635,
0.0000

■ 145.9492,

■ 0.0000, 0.0000,

201.7390, 143.8126

0.0000

181.1721,
245.9113, 180.4444

■ 15.8340, 28.7645,
13.1051

■ 15.8340, 28.7645,
13.1051

■ 15.2640, 28.5110,
11.2938

■ 16.6476, 29.1396,
15.1841

■ 15.2576, 28.5081,
11.2735

■ 17.7814, 29.6730,
17.5419

■ 19.2726, 30.3847,
20.1900

■ 21.1525, 31.2906,
23.1384

■ 23.4491, 32.4047,
26.3965

■ 26.1873, 33.7400,
29.9733

■ 29.3901, 35.3080,
33.8776

■ 33.0791, 37.1197,
38.1176

■ 37.2741, 39.1852,
42.7013

Harmonies

Analogous

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



20.3495, 28.7645, 5.9126



15.8340, 28.7645, 13.1051



14.2855, 28.7645, 30.3695

Triad

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



15.8340, 28.7645, 13.1051



27.0060, 28.7645, 102.8542



43.8480, 28.7645, 14.0574

Complementary

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



15.8340, 28.7645, 13.1051



18.6987, 9.6658, 13.1930

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.



46.6035, 28.7645, 32.2894



15.8340, 28.7645, 13.1051



35.7716, 28.7645, 90.8839

Square

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



15.8340, 28.7645, 13.1051



19.8764, 28.7645, 88.9449



43.3904, 28.7645, 61.4722



36.4706, 28.7645, 6.2342

Rectangle

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



15.8340, 28.7645, 13.1051



14.8426, 28.7645, 48.4779



43.3904, 28.7645, 61.4722



45.4042, 28.7645, 18.7791

Sweetspot

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



15.8347, 28.7657, 13.1058



48.8263, 61.8630, 56.0233



19.6486, 30.9050, 5.4601



10.2568, 13.2951, 11.7277



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.8347, 28.7657, 13.1058



27.5818, 51.6885, 19.9070



20.4005, 30.5920, 37.1486



7.5699, 8.4610, 8.7211



11.5465, 21.5374, 8.6449



0.3069, 0.5344, 0.3469

Inverse Universe

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



18.6987, 9.6658, 13.1930



32.8163, 16.5117, 19.8683



16.5482, 8.8056, 1.8686



7.6992, 7.6095, 8.7333



13.7282, 6.9000, 8.6461



0.3591, 0.1779, 0.3427

Previews

White Background



This preview shows how the XYZ color 15.8340, 28.7645, 13.1051 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 15.8340, 28.7645, 13.1051 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 15.8340, 28.7645, 13.1051

Background



This preview shows how black text looks on a background with the XYZ color 15.8340, 28.7645, 13.1051.



This preview shows how white text looks on a background with the XYZ color 15.8340, 28.7645,

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

15.8340, 28.7645, 13.1051

Protanopia

25.9271, 28.2462, 10.9230

Deuteranopia

28.8001, 28.3345, 13.8487



Tritanopia

21.8243, 28.5522, 42.8889

Trichromacy



Original Color

15.8340, 28.7645, 13.1051



Protanomaly

18.9869, 26.5351, 11.5182



Deuteranomaly

20.1390, 26.3688, 13.2608



Tritanomaly

18.7995, 28.3331, 28.9041

Monochromacy



Original Color

15.8340, 28.7645, 13.1051



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.9277, 19.3541, 15.5720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8340, 28.7645, 13.1051 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(17, 168, 84)` looks like.

```
.text, #text, p{  
    color:rgb(17, 168, 84)  
}
```

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(17, 168, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 168, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.8340, 28.7645, 13.1051 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(17, 168, 84) }
```


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

```
.border{ border-color:rgb(17, 168, 84) }
```

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

Here you see how a box with a 4 pixel rgb(17, 168, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 168, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 168, 84);  
box-shadow:4px 4px 4px 4px rgb(17, 168,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8340, 28.7645, 13.1051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 168, 84) }
```

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

```
.background{ background-color: rgb(17, 168,  
84) }
```

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