

Converting Colors

XYZ(15.8718, 28.5875, 8.2992)

Have a look what the booklet for
XYZ(15.8718, 28.5875, 8.2992)
contains.

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Color

**XYZ(15.8735, 28.6171,
8.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	33A737
RGB	51, 167, 55
RGB Percent	20%, 65%, 22%
CMY	0.8000, 0.3451, 0.7843
CMYK	0.69, 0.00, 0.67, 0.35
HSL	122°, 53%, 43%
HSV	122°, 69%, 65%
XYZ	15.8735, 28.6171, 8.3015
YIQ	119.5480, -33.1840, -59.4240

Conversions

Conversions Part 2

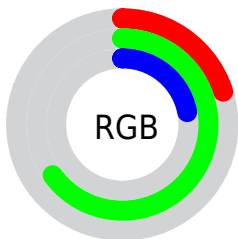
Format	Color
RYB	51, 163, 167
Decimal	3385143
CIELab	60.44, -54.14, 46.99
CIELCh	60, 71.692, 139.046
Yxy	28.6171, 0.3007, 0.5421
Android (android.graphics.Color)	4281575223 (0xFF33A737)
YUV	119.5480, -31.8222, -60.1166
Hunter-Lab	53.4950, -40.6501, 28.2457

Details

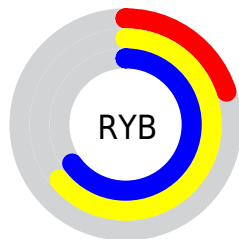
The XYZ color **15.8735, 28.6171, 8.3015** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.7315, 13.2277, 35.9519**, and the grayscale version is **17.8147, 18.7424, 20.4105**.

A 20% lighter version of the original color is **35.8516, 57.3476, 23.0895**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.8531, 28.1295, 6.5558**, and if you desaturate by 10%, it is **17.3237, 29.3134, 10.7277**.

Distribution



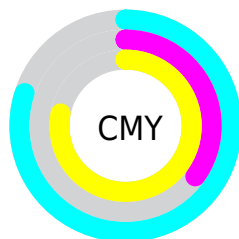
- Red (20%)
- Green (65%)
- Blue (22%)



- Red (20%)
- Yellow (64%)
- Blue (65%)



- Cyan (69%)
- Magenta (0%)
- Yellow (67%)
- Black (35%)





- Cyan (80%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8735, 28.6171, 8.3015 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 15.8735, 28.6171, 8.3015 by changing the saturation by 10% instead.


 15.8735, 28.6171,
8.3015


 15.8735, 28.6171,
8.3015


221.8792,
295.4040, 188.1001


 9.5250, 18.7914,
4.1979


 35.9377, 57.4682,
23.1033


 5.1450, 11.5196,
1.7346


 50.3840, 77.2623,
34.6386


 2.3682, 6.4175,
0.3843


 68.2604, 101.1480,
49.4882

 0.8292, 3.1006,
0.0000

 89.9320, 129.5097,
68.0707

 0.0000, 1.1845,
0.0000

 115.7644,
162.7317, 90.8046

 0.0000, 0.0490,
0.0000

 146.1228,

 0.0000, 0.0000,

201.1985, 118.1084

0.0000

181.3726,
245.2945, 150.4007

■ 15.8735, 28.6171,
8.3015

■ 15.8735, 28.6171,
8.3015

■ 14.8531, 28.1295,
6.5558

■ 17.3237, 29.3134,
10.7277

■ 14.2136, 27.8243,
5.4194

■ 19.2419, 30.2342,
13.8924

■ 13.8669, 27.6590,
4.7983

■ 21.6644, 31.3979,
17.8495

■ 13.8509, 27.6513,
4.7728

■ 24.6232, 32.8201,
22.6474

■ 28.1480, 34.5151,
28.3307

■ 32.2659, 36.4959,
34.9408

■ 37.0025, 38.7749,
42.5164

■ 42.3820, 41.3639,
51.0943

■ 48.4270, 44.2736,
60.7090

Harmonies

Analogous

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



21.8075, 28.6171, 3.5728



15.8735, 28.6171, 8.3015



13.2271, 28.6171, 22.4615

Triad

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



15.8735, 28.6171, 8.3015



23.9636, 28.6171, 112.4869



47.6707, 28.6171, 17.3371

Complementary

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



15.8735, 28.6171, 8.3015



23.7315, 13.2277, 35.9519

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.



48.6196, 28.6171, 41.8541



15.8735, 28.6171, 8.3015



33.4147, 28.6171, 108.1727

Square

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



15.8735, 28.6171, 8.3015



17.1432, 28.6171, 87.4982



42.9328, 28.6171, 77.7823



40.5755, 28.6171, 6.3728

Rectangle

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



15.8735, 28.6171, 8.3015



13.1637, 28.6171, 39.8573



42.9328, 28.6171, 77.7823



48.7709, 28.6171, 23.8286

Sweetspot

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



15.8742, 28.6183, 8.3021



49.1176, 61.1905, 48.6580



29.5491, 35.6786, 8.4611



10.6071, 13.5084, 10.2692



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.



15.8742, 28.6183, 8.3021



25.9431, 50.0623, 10.5868



18.1577, 29.5317, 20.3270



7.4469, 8.4118, 8.0733



10.6022, 21.1596, 3.6721



0.2611, 0.5161, 0.1061

Inverse Universe

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



23.7315, 13.2277, 35.9519



40.8980, 20.7071, 63.1667



19.6775, 11.6061, 14.6039



7.8306, 7.6621, 9.4249



17.1370, 8.2635, 26.5965



0.4203, 0.2024, 0.6646

Previews

White Background



This preview shows how the XYZ color 15.8735, 28.6171, 8.3015 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 15.8735, 28.6171, 8.3015 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 15.8735, 28.6171, 8.3015

Background



This preview shows how black text looks on a background with the XYZ color 15.8735, 28.6171, 8.3015.



This preview shows how white text looks on a background with the XYZ color 15.8735, 28.6171,

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

15.8735, 28.6171, 8.3015

Protanopia

25.5801, 28.1539, 6.9918

Deuteranopia

28.6330, 28.1423, 8.9239



Tritanopia

22.5296, 28.4353, 41.8373

Trichromacy



Original Color

15.8735, 28.6171, 8.3015



Protanomaly

20.0148, 27.1591, 7.3193



Deuteranomaly

21.1055, 26.7373, 8.4633



Tritanomaly

19.0656, 28.0397, 24.8294

Monochromacy



Original Color

15.8735, 28.6171, 8.3015



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.7763, 21.1687, 14.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8735, 28.6171, 8.3015 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(51, 167, 55)` looks like.

```
.text, #text, p{  
    color:rgb(51, 167, 55)  
}
```

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(51, 167, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 167, 55) }
```

Border

The CSS property to change the border of an element to XYZ 15.8735, 28.6171, 8.3015 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(51, 167, 55) }
```


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

```
.border{ border-color:rgb(51, 167, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 167, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 167, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 167, 55);  
box-shadow:4px 4px 4px 4px rgb(51, 167,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8735, 28.6171, 8.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 167, 55) }
```

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

```
.background{ background-color: rgb(51, 167,  
55) }
```

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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