

Converting Colors

XYZ(15.8685, 28.2804, 11.1009)

Have a look what the booklet for
XYZ(15.8685, 28.2804, 11.1009)
contains.

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Color

**XYZ(15.8685, 28.2804,
11.1009)**

Conversions

Conversions Part 1

Format	Color
Hex	2BA64A
RGB	43, 166, 74
RGB Percent	17%, 65%, 29%
CMY	0.8314, 0.3490, 0.7098
CMYK	0.74, 0.00, 0.55, 0.35
HSL	135°, 59%, 41%
HSV	135°, 74%, 65%
XYZ	15.8685, 28.2804, 11.1009
YIQ	118.7350, -43.7760, -54.6880

Conversions

Conversions Part 2

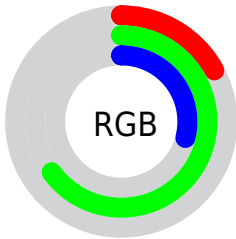
Format	Color
R_{YB}	43, 141, 166
Decimal	2860618
CIE _{Lab}	60.14, -52.88, 37.85
CIE _{LCh}	60, 65.025, 144.407
Yxy	28.2804, 0.2872, 0.5119
Android (android.graphics.Color)	4281050698 (0xFF2BA64A)
YUV	118.7350, -22.0544, -66.4196
Hunter-Lab	53.1793, -39.8001, 24.8491

Details

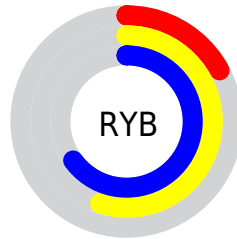
The XYZ color **15.8685, 28.2804, 11.1009** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.9637, 11.5845, 24.0534**, and the grayscale version is **17.5288, 18.4417, 20.0830**.

A 20% lighter version of the original color is **35.8864, 56.8490, 28.4836**, and **6.0700, 11.8762, 2.8366** is the 20% darker color. If you saturate the color by 10%, you get **14.9313, 27.8417, 9.0852**, and if you desaturate by 10%, it is **17.1729, 28.9005, 13.5661**.

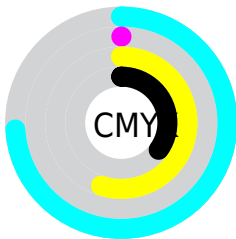
Distribution



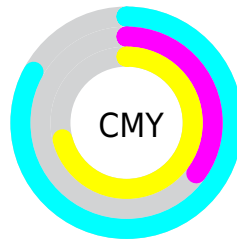
- Red (17%)
- Green (65%)
- Blue (29%)



- Red (17%)
- Yellow (55%)
- Blue (65%)



- Cyan (74%)
- Magenta (0%)
- Yellow (55%)
- Black (35%)




- Cyan (83%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8685, 28.2804, 11.1009 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 15.8685, 28.2804, 11.1009 by changing the saturation by 10% instead.


 15.8685, 28.2804,
11.1009


 15.8685, 28.2804,
11.1009


221.8502,
293.8044, 209.1207


 9.5214, 18.5371,
6.0197


 35.9291, 56.9318,
28.4861


 5.1426, 11.3363,
2.7881


 50.3732, 76.6087,
41.6272


 2.3668, 6.2935,
0.9875


 68.2471, 100.3657,
58.2920

 0.8285, 3.0244,
0.0000

 89.9161, 128.5870,
78.8991

 0.0000, 1.1445,
0.0000

 115.7456,
161.6572, 103.8669

 0.0000, 0.0156,
0.0000

146.1008,

 0.0000, 0.0000,

199.9605, 133.6141

0.0000

181.3473,
243.8814, 168.5592

■ 15.8685, 28.2804,
11.1009

■ 15.8685, 28.2804,
11.1009

■ 14.9313, 27.8417,
9.0852

■ 17.1729, 28.9005,
13.5661

■ 14.3174, 27.5599,
7.4896

■ 18.8776, 29.7160,
16.5040

■ 14.0518, 27.4395,
6.7312

■ 21.0141, 30.7436,
19.9383

■ 23.6102, 31.9972,
23.8906

■ 26.6913, 33.4893,
28.3814

■ 30.2809, 35.2318,
33.4297

■ 34.4010, 37.2355,
39.0540

■ 39.0721, 39.5108,
45.2717

■ 44.3138, 42.0673,
52.0994

Harmonies

Analogous

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



20.8035, 28.2804, 5.0937



15.8685, 28.2804, 11.1009



13.9082, 28.2804, 26.5448

Triad

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



15.8685, 28.2804, 11.1009



25.3524, 28.2804, 102.4688



44.2116, 28.2804, 15.4911

Complementary

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



15.8685, 28.2804, 11.1009



20.9637, 11.5845, 24.0534

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.



46.1219, 28.2804, 35.4708



15.8685, 28.2804, 11.1009



34.0368, 28.2804, 94.0800

Square

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



15.8685, 28.2804, 11.1009



18.6119, 28.2804, 84.9991



42.0772, 28.2804, 65.8392



37.2921, 28.2804, 6.5592

Rectangle

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



15.8685, 28.2804, 11.1009



14.1848, 28.2804, 43.6378



42.0772, 28.2804, 65.8392



45.5135, 28.2804, 20.7534

Sweetspot

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



15.8692, 28.2816, 11.1015



49.4737, 61.2788, 52.9814



24.1052, 32.6198, 7.3114



10.7187, 13.5420, 11.3525



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.



15.8692, 28.2816, 11.1015



26.3063, 50.1631, 14.5063



19.0241, 29.5435, 27.7148



7.5114, 8.4376, 8.4134



10.9125, 21.2838, 5.3062



0.2854, 0.5258, 0.2341

Inverse Universe

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



20.9637, 11.5845, 24.0534



35.9444, 18.1922, 38.7262



17.8181, 10.3262, 7.4889



7.7599, 7.6338, 9.0529



15.0432, 7.4260, 15.5709



0.3848, 0.1882, 0.4777

Previews

White Background



This preview shows how the XYZ color 15.8685, 28.2804, 11.1009 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 15.8685, 28.2804, 11.1009 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 15.8685, 28.2804, 11.1009

Background



This preview shows how black text looks on a background with the XYZ color 15.8685, 28.2804, 11.1009.



This preview shows how white text looks on a background with the XYZ color 15.8685, 28.2804,

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

15.8685, 28.2804, 11.1009

Protanopia

25.2845, 27.7227, 9.3286

Deuteranopia

28.1478, 27.6145, 11.8292



Tritanopia

22.0304, 28.1780, 41.8139

Trichromacy



Original Color

15.8685, 28.2804, 11.1009



Protanomaly

19.6698, 26.6806, 9.9075



Deuteranomaly

20.7536, 26.2563, 11.3713



Tritanomaly

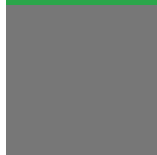
18.9882, 27.9528, 26.9489

Monochromacy



Original Color

15.8685, 28.2804, 11.1009



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.5667, 20.8117, 16.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8685, 28.2804, 11.1009 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(43, 166, 74)` looks like.

```
.text, #text, p{  
    color:rgb(43, 166, 74)  
}
```

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(43, 166, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 166, 74) }
```

Border

The CSS property to change the border of an element to XYZ 15.8685, 28.2804, 11.1009 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(43, 166, 74) }
```


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

```
.border{ border-color:rgb(43, 166, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 166, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 166, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 166, 74);  
box-shadow:4px 4px 4px 4px rgb(43, 166,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8685, 28.2804, 11.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 166, 74) }
```

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

```
.background{ background-color: rgb(43, 166,  
74) }
```

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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