

Converting Colors

XYZ(15.7815, 29.4378, 11.8492)

Have a look what the booklet for
XYZ(15.7815, 29.4378, 11.8492)
contains.

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Color

**XYZ(15.7143, 29.2853,
11.8456)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA4D
RGB	0, 170, 77
RGB Percent	0%, 67%, 30%
CMY	1.0000, 0.3333, 0.6980
CMYK	1.00, 0.00, 0.55, 0.33
HSL	147°, 100%, 33%
HSV	147°, 100%, 67%
XYZ	15.7143, 29.2853, 11.8456
YIQ	108.5680, -71.4670, -64.9630

Conversions

Conversions Part 2

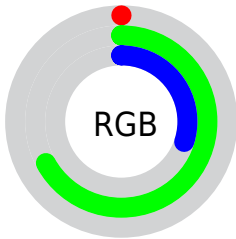
Format	Color
RYB	0, 117, 170
Decimal	43597
CIELab	61.03, -57.61, 37.34
CIELCh	61, 68.654, 147.053
Yxy	29.2853, 0.2764, 0.5152
Android (android.graphics.Color)	4278233677 (0xFF00AA4D)
YUV	108.5680, -15.5630, -95.2141
Hunter-Lab	54.1159, -42.8696, 24.9029

Details

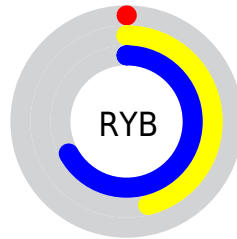
The XYZ color **15.7143, 29.2853, 11.8456** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.5543, 9.3369, 11.1817**, and the grayscale version is **14.4716, 15.2252, 16.5803**.

A 20% lighter version of the original color is **35.7790, 58.7720, 29.8805**, and **6.4432, 12.5699, 3.1236** is the 20% darker color. If you saturate the color by 10%, you get **15.7148, 29.2864, 11.8457**, and if you desaturate by 10%, it is **16.2985, 29.5466, 13.7123**.

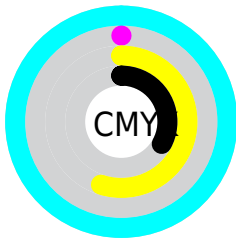
Distribution



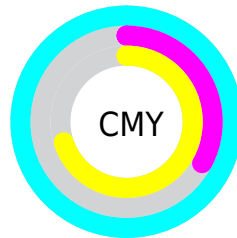
- Red (0%)
- Green (67%)
- Blue (30%)



- Red (0%)
- Yellow (46%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7143, 29.2853, 11.8456 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 15.7143, 29.2853, 11.8456 by changing the saturation by 10% instead.


 15.7143, 29.2853,
11.8456


 15.7143, 29.2853,
11.8456


220.9536,
298.5587, 214.3219


 9.4118, 19.2968,
6.5174


 35.6630, 58.5301,
29.8738


 5.0700, 11.8849,
3.0883


 50.0398, 78.5551,
43.4108


 2.3236, 6.6653,
1.1399


 67.8388, 102.6944,
60.5211

 0.8067, 3.2537,
0.0000

 89.4253, 131.3323,
81.6234

 0.0000, 1.2656,
0.0000

 115.1647,
164.8533, 107.1360

 0.0000, 0.1143,
0.0000

 145.4223,

 0.0000, 0.0000,

203.6418, 137.4776

0.0000

180.5635,
248.0821, 173.0668

■ 15.7143, 29.2853,
11.8456

■ 15.7143, 29.2853,
11.8456

■ 15.7148, 29.2864,
11.8457

■ 16.2985, 29.5466,
13.7123

■ 17.1283, 29.9280,
15.8448

■ 18.2857, 30.4725,
18.2567

■ 19.8086, 31.1994,
20.9586

■ 21.7291, 32.1250,
23.9604

■ 24.0758, 33.2639,
27.2713

■ 26.8745, 34.6293,
30.9003

■ 30.1489, 36.2331,
34.8558

■ 33.9209, 38.0866,
39.1460

Harmonies

Analogous

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



20.6973, 29.2853, 5.0110



15.7143, 29.2853, 11.8456



13.9072, 29.2853, 29.4115

Triad

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



15.7143, 29.2853, 11.8456



26.9565, 29.2853, 111.1498



46.2170, 29.2853, 14.2699

Complementary

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



15.7143, 29.2853, 11.8456



18.5543, 9.3369, 11.1817

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.



48.8836, 29.2853, 34.4971



15.7143, 29.2853, 11.8456



36.4493, 29.2853, 99.3091

Square

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



15.7143, 29.2853, 11.8456



19.4609, 29.2853, 93.9856



44.9834, 29.2853, 67.0489



38.3207, 29.2853, 5.7884

Rectangle

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



15.7143, 29.2853, 11.8456



14.3760, 29.2853, 48.6971



44.9834, 29.2853, 67.0489



47.8197, 29.2853, 19.4728

Sweetspot

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



15.7150, 29.2865, 11.8463



48.4592, 62.6821, 55.6875



18.9408, 31.1042, 5.0056



10.3243, 13.7428, 11.8043



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.7150, 29.2865, 11.8463



28.4051, 53.0924, 20.9301



20.8529, 31.3416, 38.9018



7.5727, 8.4621, 8.7361



11.5870, 21.5536, 8.8579



0.3079, 0.5348, 0.3523

Inverse Universe

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



18.5543, 9.3369, 11.1817



33.5521, 16.8954, 19.7003



16.6249, 8.5652, 1.0213



7.6963, 7.6084, 8.7181



13.6766, 6.8793, 8.3742



0.3580, 0.1775, 0.3369

Previews

White Background



This preview shows how the XYZ color 15.7143, 29.2853, 11.8456 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 15.7143, 29.2853, 11.8456 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 15.7143, 29.2853, 11.8456

Background



This preview shows how black text looks on a background with the XYZ color 15.7143, 29.2853, 11.8456.



This preview shows how white text looks on a background with the XYZ color 15.7143, 29.2853,

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

15.7143, 29.2853, 11.8456

Protanopia

26.2534, 28.6688, 9.7802

Deuteranopia

29.3779, 28.8770, 12.6198



Tritanopia

22.3604, 29.3170, 44.0154

Trichromacy



Original Color

15.7143, 29.2853, 11.8456



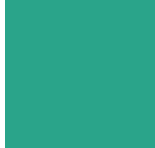
Protanomaly

18.4846, 26.7941, 10.3284



Deuteranomaly

19.3997, 26.2531, 12.0275



Tritanomaly

18.8177, 28.8781, 28.6270

Monochromacy



Original Color

15.7143, 29.2853, 11.8456



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.7282, 18.3609, 14.1824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7143, 29.2853, 11.8456 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(0, 170, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 77)  
}
```

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(0, 170, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 77) }
```

Border

The CSS property to change the border of an element to XYZ 15.7143, 29.2853, 11.8456 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(0, 170, 77) }
```


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

```
.border{ border-color:rgb(0, 170, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7143, 29.2853, 11.8456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 77) }
```

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

```
.background{ background-color: rgb(0, 170,  
77) }
```

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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