

Converting Colors

XYZ(29.5493, 57.8547, 11.9222)

Have a look what the booklet for
XYZ(29.5493, 57.8547, 11.9222)
contains.

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Color

**XYZ(29.6460, 58.0698,
11.9316)**

Conversions

Conversions Part 1

Format	Color
Hex	17E82B
RGB	23, 232, 43
RGB Percent	9%, 91%, 17%
CMY	0.9098, 0.0902, 0.8313
CMYK	0.90, 0.00, 0.81, 0.09
HSL	126°, 82%, 50%
HSV	126°, 90%, 91%
XYZ	29.6460, 58.0698, 11.9316
YIQ	147.9630, -63.8950, -103.0870

Conversions

Conversions Part 2

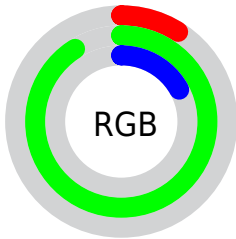
Format	Color
R_{YB}	23, 214, 232
Decimal	1566763
CIE _{Lab}	80.78, -78.06, 71.15
CIE _{LCh}	81, 105.619, 137.650
Yxy	58.0698, 0.2975, 0.5828
Android (android.graphics.Color)	4279756843 (0xFF17E82B)
YUV	147.9630, -51.7468, -109.5926
Hunter-Lab	76.2035, -63.9131, 44.0591

Details

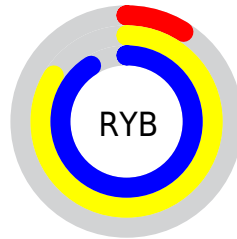
The XYZ color **29.6460, 58.0698, 11.9316** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.4695, 22.5225, 64.2348**, and the grayscale version is **28.3626, 29.8396, 32.4954**.

A 20% lighter version of the original color is **45.6459, 76.3218, 25.6904**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.0046, 57.7743, 10.3926**, and if you desaturate by 10%, it is **30.9187, 58.6711, 14.5439**.

Distribution



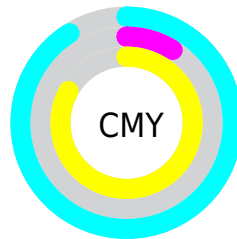
- Red (9%)
- Green (91%)
- Blue (17%)



- Red (9%)
- Yellow (84%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (81%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6460, 58.0698, 11.9316 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 29.6460, 58.0698, 11.9316 by changing the saturation by 10% instead.


 29.6460, 58.0698,
11.9316


 29.6460, 58.0698,
11.9316


292.1904,
417.4460, 214.9138


 19.7168, 41.8648,
6.5751


 58.4924, 102.0245,
30.0330

 12.2964, 28.9954,
3.1235


 78.1402, 130.5430,
43.6150


 7.0195, 19.0774,
1.1580


 101.7584,
163.9347, 60.7760

 3.5207, 11.7262,
0.0000

 129.7121,
202.5840, 81.9344

 1.4348, 6.5575,
0.0000

 162.3668,
246.8755, 107.5089

 0.2808, 3.1870,
0.0000

 200.0879,

 0.0000, 1.2301,

297.1933, 137.9179

0.0000

243.2406,
353.9220, 173.5800

■ 0.0000, 0.0861,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.6460, 58.0698,
11.9316

■ 29.6460, 58.0698,
11.9316


■ 29.0046, 57.7743,
10.3926

■ 30.9187, 58.6711,
14.5439


■ 32.9790, 59.6509,
18.3633


■ 35.9305, 61.0615,
23.5137


■ 39.8599, 62.9454,
30.1025

 44.8435, 65.3399,
38.2264

 50.9500, 68.2785,
47.9735

 58.2423, 71.7919,
59.4252

 66.7786, 75.9085,
72.6577

 76.6133, 80.6548,
87.7424

Harmonies

Analogous

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



43.4331, 58.0698, 3.9506



29.6460, 58.0698, 11.9316



23.5339, 58.0698, 40.8673

Triad

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



29.6460, 58.0698, 11.9316



46.7035, 58.0698, 267.9897



105.5586, 58.0698, 33.3636

Complementary

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



29.6460, 58.0698, 11.9316



45.4695, 22.5225, 64.2348

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.



107.1120, 58.0698, 92.5426



29.6460, 58.0698, 11.9316



68.9058, 58.0698, 260.5344

Square

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



29.6460, 58.0698, 11.9316



31.4944, 58.0698, 199.9465



92.3366, 58.0698, 183.5059



88.5273, 58.0698, 9.5308

Rectangle

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



29.6460, 58.0698, 11.9316



23.1973, 58.0698, 80.5960



92.3366, 58.0698, 183.5059



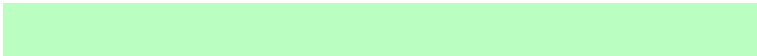
108.0437, 58.0698, 48.5539

Sweetspot

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



29.6474, 58.0722, 11.9329



65.6430, 85.8166, 63.4055



56.9157, 72.1621, 11.7395



13.4280, 18.0686, 12.5885



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6474, 58.0722, 11.9329



35.9292, 71.5877, 12.8110



34.3157, 59.9396, 36.5163



14.2451, 16.1115, 15.5554



16.1219, 32.0809, 5.8765



1.2106, 2.3784, 0.5355

Inverse Universe

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



45.4695, 22.5225, 64.2348



55.6056, 27.0062, 77.5780



36.4056, 18.8970, 16.5049



14.9325, 14.5902, 17.8449



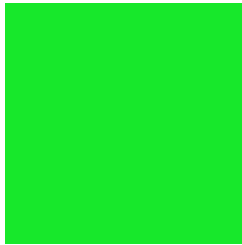
24.9444, 12.1120, 34.9317



1.8607, 0.9020, 2.6730

Previews

White Background



This preview shows how the XYZ color 29.6460, 58.0698, 11.9316 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.6460, 58.0698, 11.9316 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 ✓ Pass

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

XYZ 29.6460, 58.0698, 11.9316

Background



This preview shows how black text looks on a background with the XYZ color 29.6460, 58.0698, 11.9316.



This preview shows how white text looks on a background with the XYZ color 29.6460, 58.0698,

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

29.6460, 58.0698, 11.9316

Protanopia

51.4526, 56.8096, 9.7669

Deuteranopia

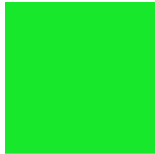
57.6488, 56.3046, 12.8305



Tritanopia

44.3009, 57.5916, 85.8722

Trichromacy



Original Color

29.6460, 58.0698, 11.9316



Protanomaly

36.3907, 53.3014, 10.1205



Deuteranomaly

38.0573, 51.5881, 11.8226



Tritanomaly

35.4206, 56.2625, 44.1148

Monochromacy



Original Color

29.6460, 58.0698, 11.9316



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.5281, 36.2496, 20.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6460, 58.0698, 11.9316 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(23, 232, 43)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 43)  
}
```

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(23, 232, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 43) }
```

Border

The CSS property to change the border of an element to XYZ 29.6460, 58.0698, 11.9316 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(23, 232, 43) }
```


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

```
.border{ border-color:rgb(23, 232, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 43);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6460, 58.0698, 11.9316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 43) }
```

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

```
.background{ background-color: rgb(23, 232,  
43) }
```

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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