

Converting Colors

XYZ(18.2090, 29.4040, 11.9052)

Have a look what the booklet for
XYZ(18.2090, 29.4040, 11.9052)
contains.

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Color

**XYZ(18.2358, 29.4848,
11.9377)**

Conversions

Conversions Part 1

Format	Color
Hex	4FA64E
RGB	79, 166, 78
RGB Percent	31%, 65%, 31%
CMY	0.6902, 0.3490, 0.6941
CMYK	0.52, 0.00, 0.53, 0.35
HSL	119°, 36%, 48%
HSV	119°, 53%, 65%
XYZ	18.2358, 29.4848, 11.9377
YIQ	129.9550, -23.6040, -45.8120

Conversions

Conversions Part 2

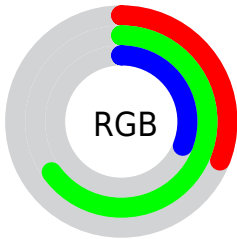
Format	Color
RYB	78, 166, 165
Decimal	5219918
CIELab	61.21, -44.41, 37.39
CIELCh	61, 58.055, 139.903
Yxy	29.4848, 0.3057, 0.4942
Android (android.graphics.Color)	4283409998 (0xFF4FA64E)
YUV	129.9550, -25.6138, -44.6875
Hunter-Lab	54.2999, -35.0783, 24.9752

Details

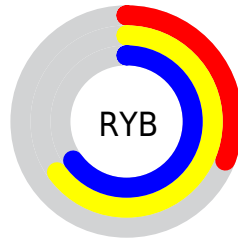
The XYZ color **18.2358, 29.4848, 11.9377** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.1260, 16.2023, 37.8811**, and the grayscale version is **21.2965, 22.4056, 24.3997**.

A 20% lighter version of the original color is **40.0754, 58.9784, 30.0407**, and **6.2785, 11.9771, 3.1433** is the 20% darker color. If you saturate the color by 10%, you get **16.5137, 28.6582, 9.1331**, and if you desaturate by 10%, it is **20.4466, 30.5477, 15.5506**.

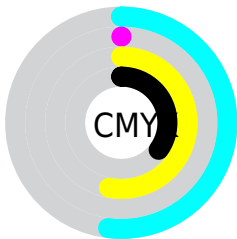
Distribution



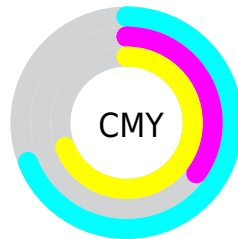
- Red (31%)
- Green (65%)
- Blue (31%)



- Red (31%)
- Yellow (65%)
- Blue (65%)



- Cyan (52%)
- Magenta (0%)
- Yellow (53%)
- Black (35%)





- Cyan (69%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2358, 29.4848, 11.9377 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 18.2358, 29.4848, 11.9377 by changing the saturation by 10% instead.


 18.2358, 29.4848,
11.9377

 18.2358, 29.4848,
11.9377


235.2168,
299.4956, 214.9557


 11.2201, 19.4479,
6.5792


 39.9657, 58.8465,
30.0443


 6.2835, 11.9943,
3.1260


 55.4105, 78.9400,
43.6295


 3.0605, 6.7398,
1.1593


 74.3959, 103.1545,
60.7940

 1.1858, 3.2999,
0.0000

 97.2870, 131.8744,
81.9565

 0.0951, 1.2903,
0.0000

 124.4493,
165.4840, 107.5353

 0.0000, 0.1336,
0.0000

156.2481,

 0.0000, 0.0000,

204.3678, 137.9491

0.0000

193.0488,
248.9102, 173.6164

■ 18.2358, 29.4848,
11.9377

■ 18.2358, 29.4848,
11.9377

■ 16.5137, 28.6582,
9.1331

■ 20.4466, 30.5477,
15.5506

■ 15.2413, 28.0465,
7.0729

■ 23.1770, 31.8591,
20.0254

■ 14.3774, 27.6310,
5.6868

■ 26.4579, 33.4346,
25.4133

■ 13.8720, 27.3875,
4.8904

■ 30.3170, 35.2875,
31.7609

■ 13.6604, 27.2858,
4.5467

■ 34.7804, 37.4304,
39.1117

■ 39.8724, 39.8749,
47.5066

■ 45.6160, 42.6320,
56.9841

■ 52.0332, 45.7123,
67.5808

■ 59.1449, 49.1258,
79.3316

Harmonies

Analogous

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



23.3223, 29.4848, 6.5909



18.2358, 29.4848, 11.9377



15.9230, 29.4848, 25.2884

Triad

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



18.2358, 29.4848, 11.9377



25.5309, 29.4848, 93.7543



44.2007, 29.4848, 19.8228

Complementary

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



18.2358, 29.4848, 11.9377



25.1260, 16.2023, 37.8811

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.



45.0857, 29.4848, 40.0456



18.2358, 29.4848, 11.9377



33.3196, 29.4848, 90.0089

Square

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



18.2358, 29.4848, 11.9377



19.5995, 29.4848, 76.1461



40.8073, 29.4848, 67.4694



38.5722, 29.4848, 9.5003

Rectangle

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



18.2358, 29.4848, 11.9377



15.9171, 29.4848, 39.8828



40.8073, 29.4848, 67.4694



45.0976, 29.4848, 25.4087

Sweetspot

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



18.2365, 29.4860, 11.9384



52.6002, 62.8788, 53.6584



30.4735, 35.4009, 12.4351



11.4586, 13.9211, 11.4940



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.



18.2365, 29.4860, 11.9384



29.3995, 51.7357, 15.6498



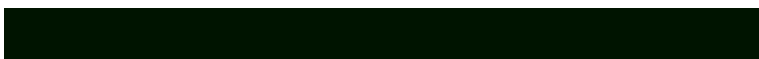
20.2017, 30.2626, 22.7169



7.4443, 8.4116, 8.0205



10.5952, 21.1593, 3.5257



0.2602, 0.5160, 0.0859

Inverse Universe

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



25.1260, 16.2023, 37.8811



43.2948, 24.9237, 68.0041



22.0558, 14.9983, 20.6259



7.8334, 7.6622, 9.4844



17.2311, 8.2664, 28.6629



0.4218, 0.2024, 0.6975

Previews

White Background



This preview shows how the XYZ color 18.2358, 29.4848, 11.9377 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 18.2358, 29.4848, 11.9377 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 18.2358, 29.4848, 11.9377

Background



This preview shows how black text looks on a background with the XYZ color 18.2358, 29.4848, 11.9377.



This preview shows how white text looks on a background with the XYZ color 18.2358, 29.4848,

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

18.2358, 29.4848, 11.9377

Protanopia

26.5037, 29.0167, 10.3348

Deuteranopia

29.6082, 28.9957, 12.6305



Tritanopia

24.1955, 29.2942, 41.9152

Trichromacy



Original Color

18.2358, 29.4848, 11.9377

Protanomaly

22.3074, 28.5111, 10.8060

Deuteranomaly

23.5981, 27.9437, 12.1326

Tritanomaly

21.4284, 29.1945, 27.7983

Monochromacy



Original Color

18.2358, 29.4848, 11.9377

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.2472, 24.1721, 18.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2358, 29.4848, 11.9377 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(79, 166, 78)` looks like.

```
.text, #text, p{  
    color:rgb(79, 166, 78)  
}
```

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(79, 166, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 166, 78) }
```

Border

The CSS property to change the border of an element to XYZ 18.2358, 29.4848, 11.9377 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(79, 166, 78) }
```


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

```
.border{ border-color:rgb(79, 166, 78) }
```

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

Here you see how a box with a 4 pixel rgb(79, 166, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 166, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 166, 78);  
box-shadow:4px 4px 4px 4px rgb(79, 166,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2358, 29.4848, 11.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 166, 78) }
```

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

```
.background{ background-color: rgb(79, 166,  
78) }
```

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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