

Converting Colors

XYZ(18.5882, 28.1742, 15.2348)

Have a look what the booklet for
XYZ(18.5882, 28.1742, 15.2348)
contains.

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Color

**XYZ(18.6482, 28.2944,
15.3050)**

Conversions

Conversions Part 1

Format	Color
Hex	56A15F
RGB	86, 161, 95
RGB Percent	34%, 63%, 37%
CMY	0.6627, 0.3686, 0.6274
CMYK	0.47, 0.00, 0.41, 0.37
HSL	127°, 30%, 48%
HSV	127°, 47%, 63%
XYZ	18.6482, 28.2944, 15.3050
YIQ	131.0510, -23.5140, -36.4260

Conversions

Conversions Part 2

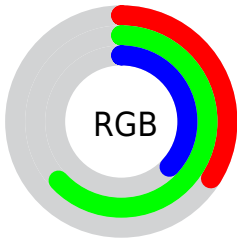
Format	Color
RYB	86, 153, 161
Decimal	5677407
CIELab	60.15, -37.71, 27.31
CIElCh	60, 46.562, 144.088
Yxy	28.2944, 0.2996, 0.4545
Android (android.graphics.Color)	4283867487 (0xFF56A15F)
YUV	131.0510, -17.7731, -39.5097
Hunter-Lab	53.1925, -30.5084, 20.1753

Details

The XYZ color **18.6482, 28.2944, 15.3050** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.6941, 16.5002, 31.6428**, and the grayscale version is **21.6597, 22.7877, 24.8158**.

A 20% lighter version of the original color is **40.5594, 56.7625, 36.0127**, and **6.5171, 11.4185, 4.5498** is the 20% darker color. If you saturate the color by 10%, you get **16.7430, 27.3808, 12.1545**, and if you desaturate by 10%, it is **21.0059, 29.4293, 19.0894**.

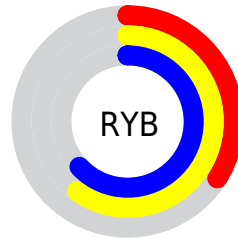
Distribution



Red (34%)

Green (63%)

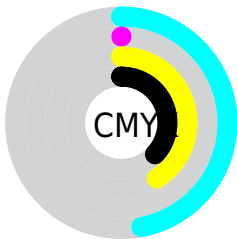
Blue (37%)



Red (34%)

Yellow (60%)

Blue (63%)

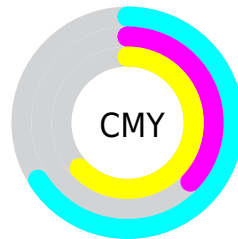


Cyan (47%)

Magenta (0%)

Yellow (41%)

Black (37%)



Cyan (66%)


Magenta (37%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6482, 28.2944, 15.3050 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 18.6482, 28.2944, 15.3050 by changing the saturation by 10% instead.


 18.6482, 28.2944,
15.3050


 18.6482, 28.2944,
15.3050


237.4753,
293.8710, 236.9090


 11.5188, 18.5477,
8.8847


 40.6603, 56.9541,
36.1372


 6.4868, 11.3439,
4.5703


 56.2737, 76.6359,
51.3862

 3.1867, 6.2987,
1.9431


 75.4459, 100.3982,
70.4152

 1.2533, 3.0275,
0.5200

 98.5421, 128.6254,
93.6427

 0.1478, 1.1461,
0.0000

125.9279,
161.7019, 121.4873

 0.0000, 0.0170,
0.0000

157.9684,

 0.0000, 0.0000,

200.0121, 154.3676

0.0000

195.0291,
243.9403, 192.7019

■ 18.6482, 28.2944,
15.3050

■ 18.6482, 28.2944,
15.3050

■ 16.7430, 27.3808,
12.1545

■ 21.0059, 29.4293,
19.0894

■ 15.2592, 26.6708,
9.6015

■ 23.8404, 30.7951,
23.5376

■ 14.1648, 26.1497,
7.6087


■ 27.1769, 32.4047,
28.6802


■ 13.4227, 25.7990,
6.1340

■ 31.0381, 34.2694,
34.5450


■ 12.9808, 25.5929,
5.1288


■ 35.4454, 36.3997,
41.1584

 12.8657, 25.5390,
4.8820

 40.4189, 38.8052,
48.5456

 45.9777, 41.4955,
56.7305

 52.1400, 44.4794,
65.7359

 58.9234, 47.7654,
75.5839

Harmonies

Analogous

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



22.4874, 28.2944, 9.5279



18.6482, 28.2944, 15.3050



17.0402, 28.2944, 27.5536

Triad

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



18.6482, 28.2944, 15.3050



25.7313, 28.2944, 76.2605



38.7520, 28.2944, 19.2737

Complementary

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



18.6482, 28.2944, 15.3050



23.6941, 16.5002, 31.6428

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.



39.9580, 28.2944, 34.3086



18.6482, 28.2944, 15.3050



31.8394, 28.2944, 71.4612

Square

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



18.6482, 28.2944, 15.3050



20.7234, 28.2944, 65.7072



37.2675, 28.2944, 54.3079



34.1795, 28.2944, 11.1567

Rectangle

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



18.6482, 28.2944, 15.3050



17.2501, 28.2944, 39.4940



37.2675, 28.2944, 54.3079



39.5902, 28.2944, 23.4988

Sweetspot

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



18.6489, 28.2956, 15.3056



50.1895, 58.7655, 53.6826



27.4215, 32.8626, 13.7022



10.7149, 12.7470, 11.3270



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6489, 28.2956, 15.3056



29.8435, 48.9673, 21.5298



20.7654, 29.1422, 26.4510



7.0185, 7.9082, 7.7094



10.2836, 20.3998, 3.9442



0.2256, 0.4325, 0.1331

Inverse Universe

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



23.6941, 16.5002, 31.6428



40.0060, 25.1672, 54.4071



21.1067, 15.4652, 18.0175



7.3276, 7.1875, 8.7113



15.6290, 7.6076, 21.0346



0.3380, 0.1637, 0.4926

Previews

White Background



This preview shows how the XYZ color 18.6482, 28.2944, 15.3050 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 18.6482, 28.2944, 15.3050 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 18.6482, 28.2944, 15.3050

Background



This preview shows how black text looks on a background with the XYZ color 18.6482, 28.2944, 15.3050.



This preview shows how white text looks on a background with the XYZ color 18.6482, 28.2944,

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

18.6482, 28.2944, 15.3050

Protanopia

25.6393, 27.8192, 13.2508

Deuteranopia

28.4020, 27.8677, 15.9387



Tritanopia

23.5496, 28.2658, 39.8120

Trichromacy



Original Color

18.6482, 28.2944, 15.3050

Protanomaly

22.1547, 27.3933, 14.0173

Deuteranomaly

23.4680, 27.1023, 15.5497

Tritanomaly

21.4460, 28.1572, 29.1155

Monochromacy



Original Color

18.6482, 28.2944, 15.3050

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.0132, 24.2988, 20.7749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6482, 28.2944, 15.3050 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(86, 161, 95)` looks like.

```
.text, #text, p{  
    color:rgb(86, 161, 95)  
}
```

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(86, 161, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 161, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.6482, 28.2944, 15.3050 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(86, 161, 95) }
```


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

```
.border{ border-color:rgb(86, 161, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 161, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 161, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 161, 95);  
box-shadow:4px 4px 4px 4px rgb(86, 161,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6482, 28.2944, 15.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 161, 95) }
```

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

```
.background{ background-color: rgb(86, 161,  
95) }
```

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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