

Converting Colors

XYZ(18.1370, 30.2782, 10.8012)

Have a look what the booklet for
XYZ(18.1370, 30.2782, 10.8012)
contains.

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Color

**XYZ(18.1493, 30.2867,
10.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	4AA947
RGB	74, 169, 71
RGB Percent	29%, 66%, 28%
CMY	0.7098, 0.3372, 0.7216
CMYK	0.56, 0.00, 0.58, 0.34
HSL	118°, 41%, 47%
HSV	118°, 58%, 66%
XYZ	18.1493, 30.2867, 10.8506
YIQ	129.4230, -25.1620, -50.6180

Conversions

Conversions Part 2

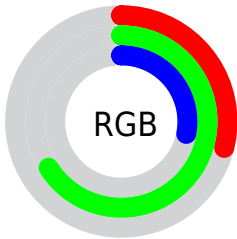
Format	Color
RYB	71, 169, 166
Decimal	4892999
CIELab	61.90, -47.86, 41.59
CIELCh	62, 63.401, 139.009
Yxy	30.2867, 0.3061, 0.5109
Android (android.graphics.Color)	4283083079 (0xFF4AA947)
YUV	129.4230, -28.8025, -48.6060
Hunter-Lab	55.0334, -37.4413, 26.8335

Details

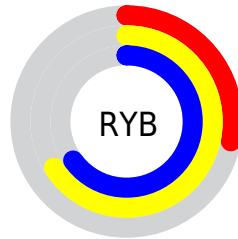
The XYZ color **18.1493, 30.2867, 10.8506** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.1424, 15.4792, 39.2004**, and the grayscale version is **21.1197, 22.2196, 24.1972**.

A 20% lighter version of the original color is **39.7981, 60.0809, 27.9115**, and **6.3629, 12.5378, 2.7008** is the 20% darker color. If you saturate the color by 10%, you get **16.5795, 29.5326, 8.3292**, and if you desaturate by 10%, it is **20.1999, 31.2731, 14.1832**.

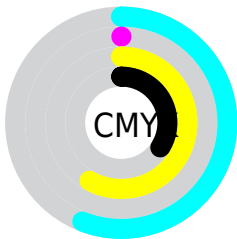
Distribution



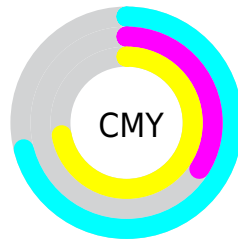
- Red (29%)
- Green (66%)
- Blue (28%)



- Red (28%)
- Yellow (66%)
- Blue (65%)



- Cyan (56%)
- Magenta (0%)
- Yellow (58%)
- Black (34%)



- Cyan (71%)
- Magenta (34%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1493, 30.2867, 10.8506 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 18.1493, 30.2867, 10.8506 by changing the saturation by 10% instead.

■ 18.1493, 30.2867,
10.8506

■ 18.1493, 30.2867,
10.8506

234.7406,
303.2385, 207.3402

■ 11.1576, 20.0563,
5.8536

■ 39.8197, 60.1153,
28.0160

■ 6.2410, 12.4360,
2.6889

■ 55.2290, 80.4823,
41.0214

■ 3.0342, 7.0413,
0.9378

■ 74.1749, 104.9969,
57.5334

■ 1.1719, 3.4880,
0.0000

■ 97.0227, 134.0435,
77.9704

■ 0.0840, 1.3915,
0.0000

■ 124.1379,
168.0067, 102.7511

■ 0.0000, 0.2104,
0.0000

155.8857,

■ 0.0000, 0.0000,

207.2706, 132.2939

0.0000

192.6314,
252.2198, 167.0174

■ 18.1493, 30.2867,
10.8506

■ 18.1493, 30.2867,
10.8506

■ 16.5795, 29.5326,
8.3292

■ 20.1999, 31.2731,
14.1832

■ 15.4495, 28.9882,
6.5480

■ 22.7637, 32.5044,
18.3859

■ 14.7148, 28.6335,
5.4273

■ 25.8730, 33.9970,
23.5147

■ 14.3132, 28.4392,
4.8326

■ 29.5567, 35.7647,
29.6202

■ 14.2533, 28.4105,
4.7326

■ 33.8418, 37.8204,
36.7494

■ 38.7533, 40.1760,
44.9461

■ 44.3151, 42.8430,
54.2519

■ 50.5497, 45.8322,
64.7057

■ 57.4785, 49.1537,
76.3450

Harmonies

Analogous

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



23.7953, 30.2867, 5.5980



18.1493, 30.2867, 10.8506



15.5632, 30.2867, 24.8508

Triad

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



18.1493, 30.2867, 10.8506



25.7883, 30.2867, 103.3445



47.1196, 30.2867, 19.9850

Complementary

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



18.1493, 30.2867, 10.8506



25.1424, 15.4792, 39.2004

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.



47.9440, 30.2867, 42.7059



18.1493, 30.2867, 10.8506



34.4311, 30.2867, 99.7673

Square

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



18.1493, 30.2867, 10.8506



19.3607, 30.2867, 82.2779



42.9323, 30.2867, 74.0730



40.8619, 30.2867, 8.7954

Rectangle

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



18.1493, 30.2867, 10.8506



15.4982, 30.2867, 40.8436



42.9323, 30.2867, 74.0730



48.0818, 30.2867, 26.1916

Sweetspot

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



18.1500, 30.2880, 10.8513



53.4216, 64.2847, 53.8588



31.0887, 36.0671, 11.2848



11.3497, 13.8703, 11.2509



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.



18.1500, 30.2880, 10.8513



28.9479, 52.5308, 13.7356



19.9827, 30.9950, 21.6779



7.4572, 8.4183, 8.0211



10.6308, 21.1776, 3.5274



0.2651, 0.5186, 0.0861

Inverse Universe

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



25.1424, 15.4792, 39.2004



42.6703, 23.3896, 69.4908



22.2084, 14.3790, 20.4325



7.8189, 7.6548, 9.4838



16.7305, 8.0083, 28.6395



0.4138, 0.1983, 0.6971

Previews

White Background



This preview shows how the XYZ color 18.1493, 30.2867, 10.8506 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 18.1493, 30.2867, 10.8506 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 18.1493, 30.2867, 10.8506

Background



This preview shows how black text looks on a background with the XYZ color 18.1493, 30.2867, 10.8506.



This preview shows how white text looks on a background with the XYZ color 18.1493, 30.2867,

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

18.1493, 30.2867, 10.8506

Protanopia

27.2186, 29.8759, 9.3331

Deuteranopia

30.3757, 29.8556, 11.5589



Tritanopia

24.6786, 30.2779, 43.0716

Trichromacy



Original Color

18.1493, 30.2867, 10.8506



Protanomaly

22.4173, 29.0877, 9.7432



Deuteranomaly

23.8604, 28.8179, 11.1423



Tritanomaly

21.5902, 30.0675, 27.5874

Monochromacy



Original Color

18.1493, 30.2867, 10.8506



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.9867, 24.2804, 17.8732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1493, 30.2867, 10.8506 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(74, 169, 71)` looks like.

```
.text, #text, p{  
    color:rgb(74, 169, 71)  
}
```

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(74, 169, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 169, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.1493, 30.2867, 10.8506 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(74, 169, 71) }
```


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

```
.border{ border-color:rgb(74, 169, 71) }
```

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

Here you see how a box with a 4 pixel rgb(74, 169, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 169, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 169, 71);  
box-shadow:4px 4px 4px 4px rgb(74, 169,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1493, 30.2867, 10.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 169, 71) }
```

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

```
.background{ background-color: rgb(74, 169,  
71) }
```

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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