

Converting Colors

XYZ(19.3611, 30.0192, 12.9430)

Have a look what the booklet for
XYZ(19.3611, 30.0192, 12.9430)
contains.

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Color

**XYZ(19.4140, 30.0706,
12.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA653
RGB	90, 166, 83
RGB Percent	35%, 65%, 33%
CMY	0.6471, 0.3490, 0.6745
CMYK	0.46, 0.00, 0.50, 0.35
HSL	115°, 33%, 49%
HSV	115°, 50%, 65%
XYZ	19.4140, 30.0706, 12.9646
YIQ	133.8140, -18.6530, -41.9250

Conversions

Conversions Part 2

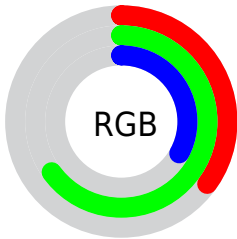
Format	Color
RYB	83, 166, 159
Decimal	5940819
CIELab	61.72, -40.52, 35.60
CIELCh	62, 53.934, 138.697
Yxy	30.0706, 0.3109, 0.4815
Android (android.graphics.Color)	4284130899 (0xFF5AA653)
YUV	133.8140, -25.0513, -38.4249
Hunter-Lab	54.8367, -32.7692, 24.3682

Details

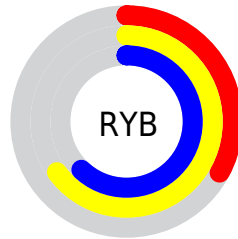
The XYZ color **19.4140, 30.0706, 12.9646** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **24.2757, 16.3116, 37.9469**, and the grayscale version is **22.6863, 23.8677, 25.9920**.

A 20% lighter version of the original color is **42.1014, 59.9835, 31.9133**, and **6.8211, 12.2491, 3.5182** is the 20% darker color. If you saturate the color by 10%, you get **17.5181, 29.1595, 9.9217**, and if you desaturate by 10%, it is **21.7672, 31.2015, 16.8312**.

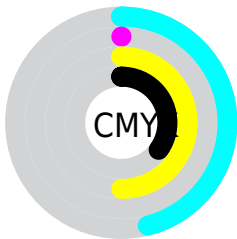
Distribution



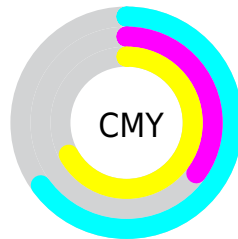
- Red (35%)
- Green (65%)
- Blue (33%)



- Red (33%)
- Yellow (65%)
- Blue (62%)



- Cyan (46%)
- Magenta (0%)
- Yellow (50%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4140, 30.0706, 12.9646 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 19.4140, 30.0706, 12.9646 by changing the saturation by 10% instead.

■ 19.4140, 30.0706,
12.9646

■ 19.4140, 30.0706,
12.9646

241.6193,
302.2334, 221.8905

■ 12.0756, 19.8922,
7.2737

■ 41.9440, 59.7738,
31.9304

■ 6.8677, 12.3167,
3.5528

■ 57.8663, 80.0674,
46.0425

■ 3.4251, 6.9597,
1.3834

■ 77.3805, 104.5015,
63.7986

■ 1.3824, 3.4369,
0.1287

■ 100.8522,
133.4605, 85.6175

■ 0.2436, 1.3639,
0.0000

■ 128.6465,
167.3288, 111.9176

■ 0.0000, 0.1899,
0.0000

161.1289,

■ 0.0000, 0.0000,

206.4908, 143.1174

0.0000

198.6647,
251.3308, 179.6355

■ 19.4140, 30.0706,
12.9646

■ 19.4140, 30.0706,
12.9646

■ 17.5181, 29.1595,
9.9217

■ 21.7672, 31.2015,
16.8312

■ 16.0476, 28.4504,
7.6409

■ 24.6026, 32.5612,
21.5732

■ 14.9701, 27.9289,
6.0555


■ 27.9458, 34.1627,
27.2403


■ 14.2472, 27.5769,
5.0861


■ 31.8199, 36.0169,
33.8779

■ 13.8179, 27.3670,
4.5541


■ 36.2468, 38.1343,
41.5285

 13.8179, 27.3669,
4.5541

 41.2469, 40.5245,
50.2321

 46.8399, 43.1968,
60.0265

 53.0441, 46.1599,
70.9476

 59.8775, 49.4223,
83.0296

Harmonies

Analogous

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



24.3802, 30.0706, 7.7551



19.4140, 30.0706, 12.9646



17.0685, 30.0706, 25.5878

Triad

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



19.4140, 30.0706, 12.9646



25.9599, 30.0706, 88.8294



43.7538, 30.0706, 21.6325

Complementary

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



19.4140, 30.0706, 12.9646



24.2757, 16.3116, 37.9469

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.



44.3687, 30.0706, 41.1184



19.4140, 30.0706, 12.9646



33.2391, 30.0706, 86.2870

Square

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



19.4140, 30.0706, 12.9646



20.4031, 30.0706, 72.3304



40.2573, 30.0706, 66.3855



38.6960, 30.0706, 11.1160

Rectangle

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



19.4140, 30.0706, 12.9646



16.9913, 30.0706, 39.0915



40.2573, 30.0706, 66.3855



44.5151, 30.0706, 27.1198

Sweetspot

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



19.4147, 30.0719, 12.9653



53.9135, 63.5297, 54.8990



29.4643, 33.0845, 13.0171



11.7515, 14.0668, 11.7492



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.



19.4147, 30.0719, 12.9653



31.4575, 52.7582, 17.4781



20.3685, 30.3784, 21.3750



7.4932, 8.4369, 8.0228



10.7325, 21.2300, 3.5321



0.2788, 0.5256, 0.0868

Inverse Universe

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



24.2757, 16.3116, 37.9469



41.2697, 24.8557, 68.0978



23.0400, 15.9822, 23.9895



7.7786, 7.6340, 9.4819



15.3983, 7.3216, 28.5771



0.3922, 0.1872, 0.6961

Previews

White Background



This preview shows how the XYZ color 19.4140, 30.0706, 12.9646 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 19.4140, 30.0706, 12.9646 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 19.4140, 30.0706, 12.9646

Background



This preview shows how black text looks on a background with the XYZ color 19.4140, 30.0706, 12.9646.



This preview shows how white text looks on a background with the XYZ color 19.4140, 30.0706,

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

19.4140, 30.0706, 12.9646

Protanopia

27.2393, 29.6081, 11.3005

Deuteranopia

30.1504, 29.4743, 13.5512



Tritanopia

25.2818, 30.1043, 42.0143

Trichromacy



Original Color

19.4140, 30.0706, 12.9646

Protanomaly

23.4492, 29.3256, 11.8216

Deuteranomaly

24.6593, 28.7039, 13.2575

Tritanomaly

22.5251, 29.7433, 28.5986

Monochromacy



Original Color

19.4140, 30.0706, 12.9646

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.8446, 25.6471, 20.0714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4140, 30.0706, 12.9646 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(90, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(90, 166, 83)  
}
```

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(90, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 166, 83) }
```

Border

The CSS property to change the border of an element to XYZ 19.4140, 30.0706, 12.9646 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(90, 166, 83) }
```


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

```
.border{ border-color:rgb(90, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 166,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4140, 30.0706, 12.9646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 166, 83) }
```

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

```
.background{ background-color: rgb(90, 166,  
83) }
```

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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