

Converting Colors

XYZ(19.7062, 30.5882, 14.4139)

Have a look what the booklet for
XYZ(19.7062, 30.5882, 14.4139)
contains.

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Color

**XYZ(19.6464, 30.4334,
14.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	58A759
RGB	88, 167, 89
RGB Percent	35%, 65%, 35%
CMY	0.6549, 0.3451, 0.6510
CMYK	0.47, 0.00, 0.47, 0.35
HSL	121°, 31%, 50%
HSV	121°, 47%, 65%
XYZ	19.6464, 30.4334, 14.2900
YIQ	134.4870, -22.0460, -41.0060

Conversions

Conversions Part 2

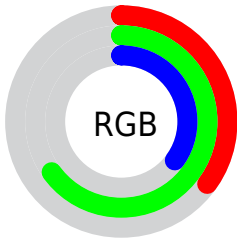
Format	Color
RYB	88, 166, 167
Decimal	5810009
CIELab	62.03, -40.69, 32.89
CIElCh	62, 52.320, 141.050
Yxy	30.4334, 0.3052, 0.4728
Android (android.graphics.Color)	4284000089 (0xFF58A759)
YUV	134.4870, -22.4251, -40.7691
Hunter-Lab	55.1665, -32.9722, 23.2584

Details

The XYZ color **19.6464, 30.4334, 14.2900** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.3099, 17.9486, 38.1549**, and the grayscale version is **22.9260, 24.1199, 26.2666**.

A 20% lighter version of the original color is **42.4490, 60.5084, 34.2529**, and **6.9826, 12.4860, 4.1398** is the 20% darker color. If you saturate the color by 10%, you get **17.6265, 29.4642, 10.9773**, and if you desaturate by 10%, it is **22.1851, 31.6539, 18.4378**.

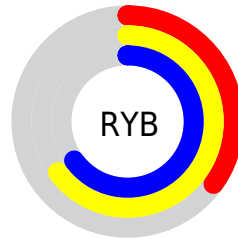
Distribution



Red (35%)

Green (65%)

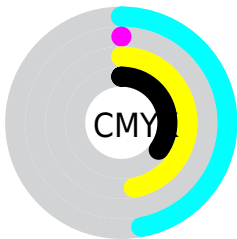
Blue (35%)



Red (35%)

Yellow (65%)

Blue (65%)

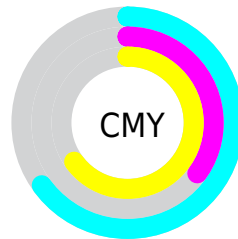


Cyan (47%)

Magenta (0%)

Yellow (47%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6464, 30.4334, 14.2900 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 19.6464, 30.4334, 14.2900 by changing the saturation by 10% instead.

■ 19.6464, 30.4334,
14.2900

■ 19.6464, 30.4334,
14.2900

242.8646,
303.9194, 230.5184

■ 12.2450, 20.1678,
8.1816

■ 42.3320, 60.3469,
34.3272

■ 6.9842, 12.5171,
4.1219

■ 58.3470, 80.7636,
49.0931

■ 3.4984, 7.0969,
1.6925

■ 77.9639, 105.3327,
67.5819

■ 1.4225, 3.5227,
0.3556

■ 101.5481,
134.4388, 90.2121

■ 0.2722, 1.4104,
0.0000

129.4649,
168.4660, 117.4024

■ 0.0000, 0.2243,
0.0000

162.0797,

■ 0.0000, 0.0000,

207.7990, 149.5711

0.0000

199.7578,
252.8220, 187.1369

■ 19.6464, 30.4334,
14.2900

■ 19.6464, 30.4334,
14.2900

■ 17.6265, 29.4642,
10.9773

■ 22.1851, 31.6539,
18.4378

■ 16.0875, 28.7254,
8.4413

■ 25.2724, 33.1373,
23.4698

■ 14.9901, 28.1989,
6.6193


■ 28.9388, 34.8991,
29.4338


■ 14.2880, 27.8623,
5.4380

■ 33.2117, 36.9527,
36.3734


■ 13.9116, 27.6820,
4.7983


■ 38.1168, 39.3104,
44.3297

 13.8309, 27.6433,
4.6675

 43.6783, 41.9837,
53.3412

 49.9193, 44.9839,
63.4445

 56.8615, 48.3214,
74.6746

 64.5258, 52.0062,
87.0646

Harmonies

Analogous

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



24.3432, 30.4334, 8.5666



19.6464, 30.4334, 14.2900



17.5350, 30.4334, 27.4784

Triad

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



19.6464, 30.4334, 14.2900



26.8762, 30.4334, 87.8791



43.4425, 30.4334, 21.0998

Complementary

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



19.6464, 30.4334, 14.2900



26.3099, 17.9486, 38.1549

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.



44.4155, 30.4334, 39.5231



19.6464, 30.4334, 14.2900



34.0507, 30.4334, 83.8998

Square

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



19.6464, 30.4334, 14.2900



21.2424, 30.4334, 73.2146



40.7459, 30.4334, 63.8681



38.2696, 30.4334, 11.2468

Rectangle

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



19.6464, 30.4334, 14.2900



17.5966, 30.4334, 41.1127



40.7459, 30.4334, 63.8681



44.3013, 30.4334, 26.2655

Sweetspot

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



19.6472, 30.4347, 14.2907



54.0438, 63.5657, 56.3168



31.5178, 36.5591, 14.6281



11.7525, 14.0607, 12.0478



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.



19.6472, 30.4347, 14.2907



31.3383, 52.6567, 19.2835



21.7075, 31.2588, 25.1401



7.4405, 8.4092, 8.0396



10.5845, 21.1526, 3.5788



0.2587, 0.5151, 0.0932

Inverse Universe

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



26.3099, 17.9486, 38.1549



44.7625, 27.4935, 67.3613



23.2904, 16.7408, 22.2544



7.8377, 7.6650, 9.4628



17.3849, 8.3627, 27.9022



0.4242, 0.2040, 0.6854

Previews

White Background



This preview shows how the XYZ color 19.6464, 30.4334, 14.2900 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 19.6464, 30.4334, 14.2900 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 19.6464, 30.4334, 14.2900

Background



This preview shows how black text looks on a background with the XYZ color 19.6464, 30.4334, 14.2900.



This preview shows how white text looks on a background with the XYZ color 19.6464, 30.4334,

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

19.6464, 30.4334, 14.2900

Protanopia

27.6186, 30.0119, 12.5208

Deuteranopia

30.5610, 29.8755, 14.9823



Tritanopia

25.3083, 30.3593, 42.5562

Trichromacy



Original Color

19.6464, 30.4334, 14.2900

Protanomaly

23.6815, 29.6671, 13.0725

Deuteranomaly

25.0750, 29.1266, 14.6563

Tritanomaly

22.6982, 30.0655, 29.8062

Monochromacy



Original Color

19.6464, 30.4334, 14.2900

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.8850, 25.6477, 20.9893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6464, 30.4334, 14.2900 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(88, 167, 89)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 89)  
}
```

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(88, 167, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.6464, 30.4334, 14.2900 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(88, 167, 89) }
```


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

```
.border{ border-color:rgb(88, 167, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6464, 30.4334, 14.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 89) }
```

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

```
.background{ background-color: rgb(88, 167,  
89) }
```

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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