

Converting Colors

XYZ(19.6411, 29.9749, 14.9110)

Have a look what the booklet for
XYZ(19.6411, 29.9749, 14.9110)
contains.

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Color

**XYZ(19.6033, 29.8566,
14.8549)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA55C
RGB	90, 165, 92
RGB Percent	35%, 65%, 36%
CMY	0.6471, 0.3529, 0.6392
CMYK	0.45, 0.00, 0.44, 0.35
HSL	122°, 29%, 50%
HSV	122°, 45%, 65%
XYZ	19.6033, 29.8566, 14.8549
YIQ	134.2530, -21.2670, -38.6030

Conversions

Conversions Part 2

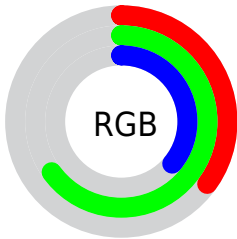
Format	Color
RYB	90, 163, 165
Decimal	5940572
CIELab	61.53, -38.77, 30.71
CIELCh	62, 49.459, 141.611
Yxy	29.8566, 0.3048, 0.4642
Android (android.graphics.Color)	4284130652 (0xFF5AA55C)
YUV	134.2530, -20.8307, -38.8099
Hunter-Lab	54.6412, -31.5827, 22.1301

Details

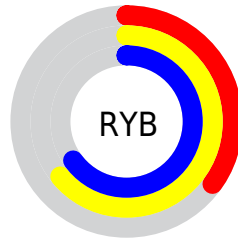
The XYZ color **19.6033, 29.8566, 14.8549** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.7849, 17.9565, 36.7580**, and the grayscale version is **22.8336, 24.0227, 26.1607**.

A 20% lighter version of the original color is **42.3160, 59.6254, 35.2652**, and **6.9085, 12.1103, 4.3563** is the 20% darker color. If you saturate the color by 10%, you get **17.5439, 28.8685, 11.4744**, and if you desaturate by 10%, it is **22.1693, 31.0904, 19.0372**.

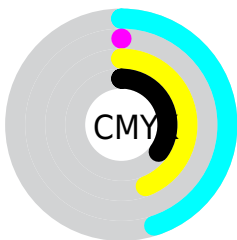
Distribution



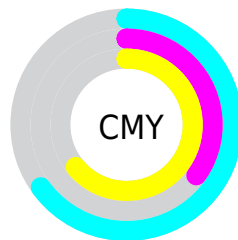
- Red (35%)
- Green (65%)
- Blue (36%)



- Red (35%)
- Yellow (64%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (44%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6033, 29.8566, 14.8549 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 19.6033, 29.8566, 14.8549 by changing the saturation by 10% instead.

■ 19.6033, 29.8566,
14.8549

■ 19.6033, 29.8566,
14.8549

242.6341,
301.2355, 234.0967

■ 12.2136, 19.7298,
8.5721

■ 42.2601, 59.4353,
35.3371

■ 6.9626, 12.1988,
4.3702

■ 58.2579, 79.6560,
50.3737

■ 3.4848, 6.8792,
1.8305

■ 77.8558, 104.0101,
69.1652

■ 1.4150, 3.3867,
0.4480

■ 101.4192,
132.8820, 92.1303

■ 0.2669, 1.3368,
0.0000

129.3133,
166.6561, 119.6874

■ 0.0000, 0.1694,
0.0000

161.9036,

■ 0.0000, 0.0000,

205.7168, 152.2552

0.0000

199.5554,
250.4484, 190.2521

■ 19.6033, 29.8566,
14.8549

■ 19.6033, 29.8566,
14.8549

■ 17.5439, 28.8685,
11.4744

■ 22.1693, 31.0904,
19.0372

■ 15.9555, 28.1063,
8.8427

■ 25.2700, 32.5808,
24.0661

■ 14.8016, 27.5531,
6.9035


■ 28.9341, 34.3425,
29.9851


■ 14.0391, 27.1883,
5.5917


■ 33.1876, 36.3880,
36.8344


■ 13.6141, 26.9856,
4.8296


■ 38.0548, 38.7292,
44.6516

 13.4798, 26.9211,
4.6123

 43.5587, 41.3770,
53.4724

 49.7212, 44.3421,
63.3306

 56.5630, 47.6344,
74.2582

 64.1040, 51.2635,
86.2863

Harmonies

Analogous

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



23.9856, 29.8566, 9.1777



19.6033, 29.8566, 14.8549



17.6489, 29.8566, 27.5236

Triad

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



19.6033, 29.8566, 14.8549



26.5791, 29.8566, 82.8686



41.7775, 29.8566, 20.9473

Complementary

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



19.6033, 29.8566, 14.8549



25.7849, 17.9565, 36.7580

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.



42.7568, 29.8566, 38.0622



19.6033, 29.8566, 14.8549



33.2759, 29.8566, 78.9199

Square

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



19.6033, 29.8566, 14.8549



21.2506, 29.8566, 69.7880



39.4436, 29.8566, 60.4599



36.9432, 29.8566, 11.6347

Rectangle

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



19.6033, 29.8566, 14.8549



17.7387, 29.8566, 40.3259



39.4436, 29.8566, 60.4599



42.5953, 29.8566, 25.7733

Sweetspot

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



19.6040, 29.8579, 14.8556



52.6735, 61.9143, 55.0802



30.5601, 35.5159, 14.9175



11.1968, 13.3825, 11.5278



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.6040, 29.8579, 14.8556



31.2400, 51.6135, 20.2546



21.6182, 30.6635, 25.4617



6.9929, 7.8980, 7.5742



10.2002, 20.3664, 3.5049



0.2165, 0.4288, 0.0850

Inverse Universe

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



25.7849, 17.9565, 36.7580



43.7734, 27.4693, 64.6597



22.9561, 16.8249, 21.8615



7.3561, 7.1989, 8.8618



16.5817, 7.9887, 26.0514



0.3508, 0.1688, 0.5599

Previews

White Background



This preview shows how the XYZ color 19.6033, 29.8566, 14.8549 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 19.6033, 29.8566, 14.8549 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 19.6033, 29.8566, 14.8549

Background



This preview shows how black text looks on a background with the XYZ color 19.6033, 29.8566, 14.8549.



This preview shows how white text looks on a background with the XYZ color 19.6033, 29.8566,

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

19.6033, 29.8566, 14.8549

Protanopia

27.1699, 29.5331, 13.0725

Deuteranopia

29.8609, 29.2787, 15.6328



Tritanopia

24.9938, 29.7057, 41.9526

Trichromacy



Original Color

19.6033, 29.8566, 14.8549

Protanomaly

23.4704, 29.0500, 13.6027

Deuteranomaly

24.6947, 28.6770, 15.3000

Tritanomaly

22.4614, 29.4287, 29.6958

Monochromacy



Original Color

19.6033, 29.8566, 14.8549

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9264, 25.4343, 21.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6033, 29.8566, 14.8549 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, 165, 92)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 92)  
}
```

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, 165, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 92) }
```

Border

The CSS property to change the border of an element to XYZ 19.6033, 29.8566, 14.8549 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, 165, 92) }
```


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

```
.border{ border-color:rgb(90, 165, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 92);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6033, 29.8566, 14.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 92) }
```

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

```
.background{ background-color: rgb(90, 165,  
92) }
```

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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