

Converting Colors

XYZ(19.6017, 28.7788, 13.5144)

Have a look what the booklet for
XYZ(19.6017, 28.7788, 13.5144)
contains.

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Color

**XYZ(19.6108, 28.8305,
13.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	63A157
RGB	99, 161, 87
RGB Percent	39%, 63%, 34%
CMY	0.6118, 0.3686, 0.6588
CMYK	0.39, 0.00, 0.46, 0.37
HSL	110°, 30%, 49%
HSV	110°, 46%, 63%
XYZ	19.6108, 28.8305, 13.5481
YIQ	134.0260, -13.1980, -36.1580

Conversions

Conversions Part 2

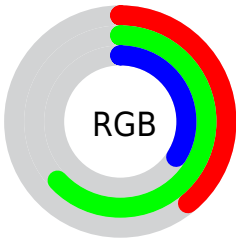
Format	Color
RYB	87, 161, 149
Decimal	6529367
CIELab	60.63, -34.86, 32.28
CIElCh	61, 47.505, 137.200
Yxy	28.8305, 0.3164, 0.4651
Android (android.graphics.Color)	4284719447 (0xFF63A157)
YUV	134.0260, -23.1838, -30.7178
Hunter-Lab	53.6940, -28.7706, 22.6258

Details

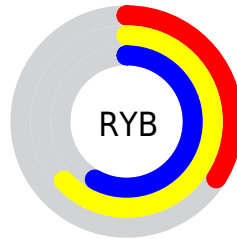
The XYZ color **19.6108, 28.8305, 13.5481** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.2369, 15.7800, 35.5935**, and the grayscale version is **22.7562, 23.9413, 26.0721**.

A 20% lighter version of the original color is **42.2802, 57.7190, 32.9572**, and **7.0071, 11.6881, 3.8062** is the 20% darker color. If you saturate the color by 10%, you get **17.6725, 27.8998, 10.3985**, and if you desaturate by 10%, it is **21.9435, 29.9492, 17.4832**.

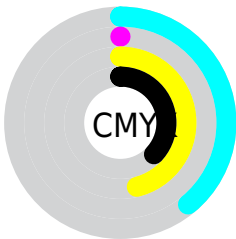
Distribution



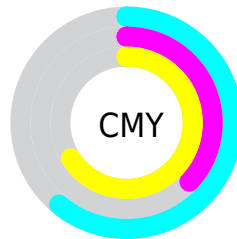
- Red (39%)
- Green (63%)
- Blue (34%)



- Red (34%)
- Yellow (63%)
- Blue (58%)



- Cyan (39%)
- Magenta (0%)
- Yellow (46%)
- Black (37%)



- Cyan (61%)
- Magenta (37%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6108, 28.8305, 13.5481 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 19.6108, 28.8305, 13.5481 by changing the saturation by 10% instead.

■ 19.6108, 28.8305,
13.5481

■ 19.6108, 28.8305,
13.5481

242.6742,
296.4144, 225.7309

■ 12.2191, 18.9526,
7.6719

■ 42.2726, 57.8077,
32.9905

■ 6.9663, 11.6361,
3.8010

■ 58.2734, 77.6758,
47.3938

■ 3.4872, 6.4964,
1.5168

■ 77.8747, 101.6427,
65.4766

■ 1.4163, 3.1492,
0.2304

■ 101.4416,
130.0930, 87.6573

■ 0.2678, 1.2101,
0.0000

■ 129.3397,
163.4108, 114.3546

■ 0.0000, 0.0699,
0.0000

161.9343,

■ 0.0000, 0.0000,

201.9808, 145.9869

0.0000

199.5906,
246.1872, 182.9728

■ 19.6108, 28.8305,
13.5481

■ 19.6108, 28.8305,
13.5481

■ 17.6725, 27.8998,
10.3985

■ 21.9435, 29.9492,
17.4832

■ 16.1044, 27.1433,
7.9799

■ 24.6887, 31.2618,
22.2496

■ 14.8827, 26.5509,
6.2340


■ 27.8661, 32.7782,
27.8919


■ 13.9801, 26.1100,
5.0927


■ 31.4935, 34.5068,
34.4508


■ 13.3629, 25.8051,
4.4633


■ 35.5875, 36.4552,
41.9648

 13.1741, 25.7119,
4.2685

 40.1640, 38.6310,
50.4698

 45.2382, 41.0412,
60.0001

 50.8244, 43.6924,
70.5882

 56.9365, 46.5912,
82.2654

Harmonies

Analogous

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



24.0529, 28.8305, 8.8834



19.6108, 28.8305, 13.5481



17.4146, 28.8305, 24.4717

Triad

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



19.6108, 28.8305, 13.5481



24.8658, 28.8305, 77.3402



40.3195, 28.8305, 22.4054

Complementary

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



19.6108, 28.8305, 13.5481



22.2369, 15.7800, 35.5935

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.



40.6242, 28.8305, 39.5064



19.6108, 28.8305, 13.5481



31.0496, 28.8305, 76.1191

Square

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



19.6108, 28.8305, 13.5481



20.1289, 28.8305, 63.3665



37.0251, 28.8305, 60.4751



36.2460, 28.8305, 12.5250

Rectangle

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



19.6108, 28.8305, 13.5481



17.2668, 28.8305, 35.8297



37.0251, 28.8305, 60.4751



40.8856, 28.8305, 27.3359

Sweetspot

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



19.6115, 28.8317, 13.5487



50.9501, 59.1994, 51.8284



27.1142, 29.6561, 13.3124



10.9003, 12.8528, 10.8753



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.



19.6115, 28.8317, 13.5487



31.6266, 49.9535, 18.5871



19.5824, 28.6797, 19.7365



7.0876, 7.9476, 7.5406



10.5455, 20.5469, 3.4101



0.2501, 0.4464, 0.0730

Inverse Universe

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



22.2369, 15.7800, 35.5935



36.8806, 23.6363, 63.0050



22.5748, 16.1813, 25.3515



7.2511, 7.1438, 8.8998



13.1331, 6.1769, 27.4298



0.3042, 0.1444, 0.5777

Previews

White Background



This preview shows how the XYZ color 19.6108, 28.8305, 13.5481 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 19.6108, 28.8305, 13.5481 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 19.6108, 28.8305, 13.5481

Background



This preview shows how black text looks on a background with the XYZ color 19.6108, 28.8305, 13.5481.



This preview shows how white text looks on a background with the XYZ color 19.6108, 28.8305,

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

19.6108, 28.8305, 13.5481

Protanopia

26.2613, 28.6254, 11.9257

Deuteranopia

29.0689, 28.4681, 14.0880



Tritanopia

24.7391, 28.6475, 39.3476

Trichromacy



Original Color

19.6108, 28.8305, 13.5481

Protanomaly

23.1092, 28.1610, 12.4013

Deuteranomaly

24.4919, 27.9015, 13.7675

Tritanomaly

22.3496, 28.4084, 27.5980

Monochromacy



Original Color

19.6108, 28.8305, 13.5481

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.0693, 25.2958, 20.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6108, 28.8305, 13.5481 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(99, 161, 87)` looks like.

```
.text, #text, p{  
    color:rgb(99, 161, 87)  
}
```

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(99, 161, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 161, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.6108, 28.8305, 13.5481 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(99, 161, 87) }
```


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

```
.border{ border-color:rgb(99, 161, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 161, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 161, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 161, 87);  
box-shadow:4px 4px 4px 4px rgb(99, 161,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6108, 28.8305, 13.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 161, 87) }
```

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

```
.background{ background-color: rgb(99, 161,  
87) }
```

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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