

Converting Colors

XYZ(19.7173, 28.6868, 10.8012)

Have a look what the booklet for
XYZ(19.7173, 28.6868, 10.8012)
contains.

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Color

**XYZ(19.7173, 28.6868,
10.8012)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA049
RGB	106, 160, 73
RGB Percent	42%, 63%, 29%
CMY	0.5843, 0.3725, 0.7137
CMYK	0.34, 0.00, 0.54, 0.37
HSL	97°, 37%, 46%
HSV	97°, 54%, 63%
XYZ	19.7173, 28.6868, 10.8012
YIQ	133.9360, -4.2570, -38.5050

Conversions

Conversions Part 2

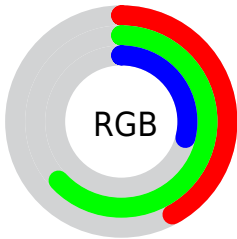
Format	Color
R_{YB}	73, 160, 127
Decimal	6987849
CIE _{Lab}	60.50, -33.77, 39.32
CIE _{LCh}	61, 51.833, 130.659
Yxy	28.6868, 0.3330, 0.4845
Android (android.graphics.Color)	4285177929 (0xFF6AA049)
YUV	133.9360, -30.0414, -24.4999
Hunter-Lab	53.5601, -28.0181, 25.5353

Details

The XYZ color **19.7173, 28.6868, 10.8012** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.4813, 11.8160, 34.6186**, and the grayscale version is **22.7452, 23.9297, 26.0594**.

A 20% lighter version of the original color is **42.4357, 57.5297, 27.9365**, and **7.0385, 11.5713, 2.6731** is the 20% darker color. If you saturate the color by 10%, you get **18.1411, 27.9287, 8.3058**, and if you desaturate by 10%, it is **21.5681, 29.5724, 14.0231**.

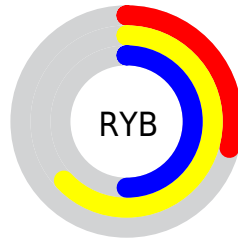
Distribution



Red (42%)

Green (63%)

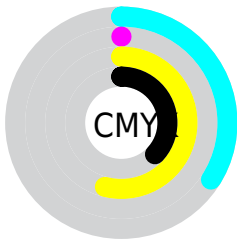
Blue (29%)



Red (29%)

Yellow (63%)

Blue (50%)

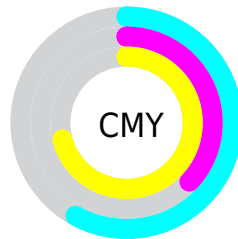


Cyan (34%)

Magenta (0%)

Yellow (54%)

Black (37%)



Cyan (58%)

Magenta (37%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7173, 28.6868, 10.8012 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 19.7173, 28.6868, 10.8012 by changing the saturation by 10% instead.

■ 19.7173, 28.6868,
10.8012

■ 19.7173, 28.6868,
10.8012

243.2434,
295.7343, 206.9868

■ 12.2968, 18.8440,
5.8208

■ 42.4503, 57.5791,
27.9230

■ 7.0198, 11.5576,
2.6694

■ 58.4934, 77.3974,
40.9015

■ 3.5209, 6.4432,
0.9280

■ 78.1415, 101.3097,
57.3831

■ 1.4348, 3.1164,
0.0000

■ 101.7599,
129.7003, 77.7863

■ 0.2808, 1.1928,
0.0000

■ 129.7139,
162.9537, 102.5298

■ 0.0000, 0.0558,
0.0000

162.3690,

■ 0.0000, 0.0000,

201.4542, 132.0320

0.0000

200.0903,
245.5863, 166.7115

■ 19.7173, 28.6868,
10.8012

■ 19.7173, 28.6868,
10.8012

■ 18.1411, 27.9287,
8.3058

■ 21.5681, 29.5724,
14.0231

■ 16.8221, 27.2878,
6.4784

■ 23.7055, 30.5880,
18.0201

■ 15.7437, 26.7579,
5.2548

■ 26.1429, 31.7404,
22.8389

■ 14.8860, 26.3303,
4.5562

■ 28.8926, 33.0350,
28.5219

■ 14.4767, 26.1250,
4.2796

■ 31.9658, 34.4767,
35.1086

■ 35.3733, 36.0703,
42.6361

■ 39.1254, 37.8202,
51.1394

■ 43.2317, 39.7308,
60.6516

■ 47.7018, 41.8063,
71.2045

Harmonies

Analogous

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



24.9562, 28.6868, 7.2238



19.7173, 28.6868, 10.8012



16.8446, 28.6868, 20.5583

Triad

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



19.7173, 28.6868, 10.8012



23.2256, 28.6868, 80.4542



41.9537, 28.6868, 24.9071

Complementary

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



19.7173, 28.6868, 10.8012



17.4813, 11.8160, 34.6186

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.



41.2859, 28.6868, 45.0859



19.7173, 28.6868, 10.8012



29.7140, 28.6868, 83.1955

Square

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



19.7173, 28.6868, 10.8012



18.6292, 28.6868, 61.8942



36.5305, 28.6868, 68.3226



38.2287, 28.6868, 12.8616

Rectangle

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



19.7173, 28.6868, 10.8012



16.3243, 28.6868, 31.6607



36.5305, 28.6868, 68.3226



42.2490, 28.6868, 30.8132

Sweetspot

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



19.7180, 28.6880, 10.8018



51.4476, 59.5043, 49.6638



23.2452, 23.0442, 9.5266



11.0687, 12.9493, 10.4450



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.



19.7180, 28.6880, 10.8018



32.4527, 50.4736, 14.3675



16.8864, 27.1862, 12.5720



6.7767, 7.5175, 7.0795



11.3225, 20.3737, 3.3358



0.2477, 0.3876, 0.0618

Inverse Universe

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



17.4813, 11.8160, 34.6186



27.9277, 16.6213, 62.1228



22.3738, 14.4366, 30.3995



6.6602, 6.6288, 8.3351



9.0279, 4.0831, 26.2195



0.2073, 0.0966, 0.4710

Previews

White Background



This preview shows how the XYZ color 19.7173, 28.6868, 10.8012 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 19.7173, 28.6868, 10.8012 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 19.7173, 28.6868, 10.8012

Background



This preview shows how black text looks on a background with the XYZ color 19.7173, 28.6868, 10.8012.



This preview shows how white text looks on a background with the XYZ color 19.7173, 28.6868,

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

19.7173, 28.6868, 10.8012

Protanopia

25.8667, 28.2452, 9.5574

Deuteranopia

28.8599, 28.2064, 11.3204



Tritanopia

25.2629, 28.4501, 38.8103

Trichromacy



Original Color

19.7173, 28.6868, 10.8012

Protanomaly

22.9963, 27.9176, 9.9710

Deuteranomaly

24.5673, 27.7690, 11.0863

Tritanomaly

22.6551, 28.3677, 25.4006

Monochromacy



Original Color

19.7173, 28.6868, 10.8012

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.0593, 25.0999, 19.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7173, 28.6868, 10.8012 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(106, 160, 73)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 73)  
}
```

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(106, 160, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 73) }
```

Border

The CSS property to change the border of an element to XYZ 19.7173, 28.6868, 10.8012 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(106, 160, 73) }
```


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

```
.border{ border-color:rgb(106, 160, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 160, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 160, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 160, 73);  
box-shadow:4px 4px 4px 4px rgb(106, 160,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7173, 28.6868, 10.8012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 73) }
```

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

```
.background{ background-color: rgb(106,  
160, 73) }
```

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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