

Converting Colors

XYZ(18.6041, 27.9658, 13.9466)

Have a look what the booklet for
XYZ(18.6041, 27.9658, 13.9466)
contains.

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Color

**XYZ(18.6884, 28.0870,
13.8876)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA059
RGB	91, 160, 89
RGB Percent	36%, 63%, 35%
CMY	0.6431, 0.3725, 0.6510
CMYK	0.43, 0.00, 0.44, 0.37
HSL	118°, 29%, 49%
HSV	118°, 44%, 63%
XYZ	18.6884, 28.0870, 13.8876
YIQ	131.2750, -18.3330, -36.7090

Conversions

Conversions Part 2

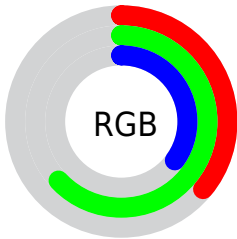
Format	Color
R_{YB}	89, 160, 158
Decimal	6004825
CIE _{Lab}	59.97, -36.70, 30.30
CIE _{LCh}	60, 47.593, 140.452
Yxy	28.0870, 0.3081, 0.4630
Android (android.graphics.Color)	4284194905 (0xFF5BA059)
YUV	131.2750, -20.8416, -35.3212
Hunter-Lab	52.9972, -29.8006, 21.5614

Details

The XYZ color **18.6884, 28.0870, 13.8876** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.0193, 16.9528, 35.2654**, and the grayscale version is **21.7493, 22.8820, 24.9185**.

A 20% lighter version of the original color is **40.7111, 56.5141, 33.5735**, and **6.5257, 11.2785, 3.9309** is the 20% darker color. If you saturate the color by 10%, you get **16.7111, 27.1379, 10.6610**, and if you desaturate by 10%, it is **21.1308, 29.2607, 17.8994**.

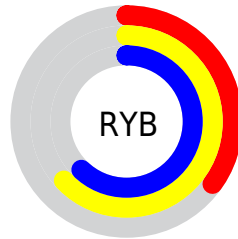
Distribution



Red (36%)

Green (63%)

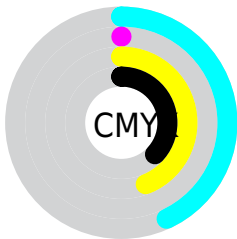
Blue (35%)



Red (35%)

Yellow (63%)

Blue (62%)

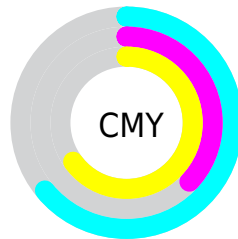


Cyan (43%)

Magenta (0%)

Yellow (44%)

Black (37%)



Cyan (64%)

Magenta (37%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6884, 28.0870, 13.8876 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 18.6884, 28.0870, 13.8876 by changing the saturation by 10% instead.

■ 18.6884, 28.0870,
13.8876

■ 18.6884, 28.0870,
13.8876

237.6944,
292.8824, 227.9345

■ 11.5480, 18.3913,
7.9047

■ 40.7279, 56.6233,
33.6037

■ 6.5067, 11.2312,
3.9471

■ 56.3576, 76.2327,
48.1740

■ 3.1991, 6.2226,
1.5964

■ 75.5479, 99.9153,
66.4438

■ 1.2599, 2.9809,
0.2882

■ 98.6641, 128.0557,
88.8316

■ 0.1529, 1.1218,
0.0000

126.0714,
161.0382, 115.7561

■ 0.0000, 0.0000,
0.0000

158.1354,

199.2473, 147.6357

195.2212,
243.0672, 184.8890

■ 18.6884, 28.0870,
13.8876

■ 18.6884, 28.0870,
13.8876

■ 16.7111, 27.1379,
10.6610

■ 21.1308, 29.2607,
17.8994

■ 15.1674, 26.3957,
8.1666

■ 24.0630, 30.6682,
22.7414

■ 14.0255, 25.8461,
6.3475


■ 27.5104, 32.3224,
28.4570


■ 13.2479, 25.4712,
5.1380


■ 31.4961, 34.2345,
35.0864


■ 12.7904, 25.2499,
4.4581

■ 36.0418, 36.4148,
42.6671

 12.6277, 25.1717,
4.1931

 41.1679, 38.8731,
51.2347

 46.8938, 41.6186,
60.8227

 53.2382, 44.6603,
71.4632

 60.2188, 48.0067,
83.1869

Harmonies

Analogous

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



22.8315, 28.0870, 8.7738



18.6884, 28.0870, 13.8876



16.7834, 28.0870, 25.3788

Triad

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



18.6884, 28.0870, 13.8876



24.8112, 28.0870, 76.6450



39.1553, 28.0870, 20.3496

Complementary

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



18.6884, 28.0870, 13.8876



24.0193, 16.9528, 35.2654

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.



39.8990, 28.0870, 36.4518



18.6884, 28.0870, 13.8876



30.9733, 28.0870, 73.6594

Square

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



18.6884, 28.0870, 13.8876



19.9489, 28.0870, 64.1634



36.7152, 28.0870, 57.0985



34.8147, 28.0870, 11.4057

Rectangle

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



18.6884, 28.0870, 13.8876



16.8068, 28.0870, 37.0372



36.7152, 28.0870, 57.0985



39.8573, 28.0870, 24.9241

Sweetspot

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



18.6891, 28.0882, 13.8882



50.7129, 59.0523, 52.9364



28.4660, 32.5250, 14.2293



10.8122, 12.8024, 11.0951



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.



18.6891, 28.0882, 13.8882



30.4541, 49.3268, 19.5399



20.2127, 28.6751, 22.9261



6.5672, 7.4095, 7.0697



9.8428, 19.6109, 3.2665



0.1805, 0.3530, 0.0586

Inverse Universe

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



24.0193, 16.9528, 35.2654



41.3627, 26.5146, 63.3243



21.8926, 16.1479, 21.9970



6.8857, 6.7451, 8.3457



15.5535, 7.4471, 26.5249



0.2833, 0.1358, 0.4745

Previews

White Background



This preview shows how the XYZ color 18.6884, 28.0870, 13.8876 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 18.6884, 28.0870, 13.8876 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 18.6884, 28.0870, 13.8876

Background



This preview shows how black text looks on a background with the XYZ color 18.6884, 28.0870, 13.8876.



This preview shows how white text looks on a background with the XYZ color 18.6884, 28.0870,

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

18.6884, 28.0870, 13.8876

Protanopia

25.6351, 27.8402, 12.2062

Deuteranopia

28.1996, 27.5837, 14.4276



Tritanopia

23.7113, 27.8777, 39.2532

Trichromacy



Original Color

18.6884, 28.0870, 13.8876

Protanomaly

22.3776, 27.5369, 12.7301

Deuteranomaly

23.3849, 26.8631, 14.0778

Tritanomaly

21.4378, 27.6840, 27.8806

Monochromacy



Original Color

18.6884, 28.0870, 13.8876

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.0278, 24.3200, 20.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6884, 28.0870, 13.8876 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(91, 160, 89)` looks like.

```
.text, #text, p{  
    color:rgb(91, 160, 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(91, 160, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 160, 89) }
```

Border

The CSS property to change the border of an element to XYZ 18.6884, 28.0870, 13.8876 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(91, 160, 89) }
```


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

```
.border{ border-color:rgb(91, 160, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 160, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 160, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 160, 89);  
box-shadow:4px 4px 4px 4px rgb(91, 160,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6884, 28.0870, 13.8876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 160, 89) }
```

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

```
.background{ background-color: rgb(91, 160,  
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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