

Converting Colors

XYZ(18.2908, 25.5581, 12.8216)

Have a look what the booklet for
XYZ(18.2908, 25.5581, 12.8216)
contains.

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Color

**XYZ(18.3398, 25.6887,
12.7959)**

Conversions

Conversions Part 1

Format	Color
Hex	679756
RGB	103, 151, 86
RGB Percent	40%, 59%, 34%
CMY	0.5961, 0.4078, 0.6627
CMYK	0.32, 0.00, 0.43, 0.41
HSL	104°, 27%, 46%
HSV	104°, 43%, 59%
XYZ	18.3398, 25.6887, 12.7959
YIQ	129.2380, -7.7430, -30.3910

Conversions

Conversions Part 2

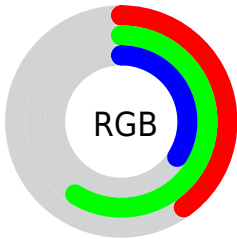
Format	Color
R_{YB}	86, 151, 134
Decimal	6788950
CIE Lab	57.74, -28.92, 29.17
CIE LCh	58, 41.079, 134.748
Yxy	25.6887, 0.3227, 0.4521
Android (android.graphics.Color)	4284979030 (0xFF679756)
YUV	129.2380, -21.3163, -23.0107
Hunter-Lab	50.6840, -24.1076, 20.5102

Details

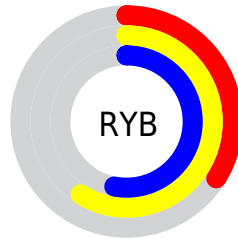
The XYZ color **18.3398, 25.6887, 12.7959** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7465, 13.9591, 30.9860**, and the grayscale version is **21.0246, 22.1196, 24.0882**.

A 20% lighter version of the original color is **40.2970, 53.0167, 31.7763**, and **6.3916, 10.0177, 3.5162** is the 20% darker color. If you saturate the color by 10%, you get **16.5998, 24.8555, 9.8674**, and if you desaturate by 10%, it is **20.3803, 26.6635, 16.4106**.

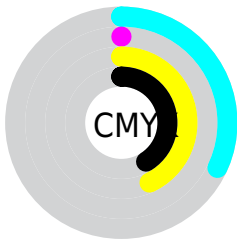
Distribution



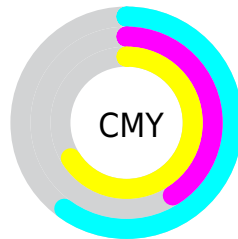
- Red (40%)
- Green (59%)
- Blue (34%)



- Red (34%)
- Yellow (59%)
- Blue (53%)



- Cyan (32%)
- Magenta (0%)
- Yellow (43%)
- Black (41%)



- Cyan (60%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3398, 25.6887, 12.7959 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 18.3398, 25.6887, 12.7959 by changing the saturation by 10% instead.

■ 18.3398, 25.6887,
12.7959

■ 18.3398, 25.6887,
12.7959

235.7881,
281.2506, 220.7671

■ 11.2954, 16.5909,
7.1591

■ 40.1410, 52.7723,
31.6224

■ 6.3346, 9.9432,
3.4818

■ 55.6286, 71.5269,
45.6492

■ 3.0922, 5.3613,
1.3456

■ 74.6612, 94.2692,
63.3097

■ 1.2027, 2.4608,
0.0987

■ 97.6043, 121.3837,
85.0225

■ 0.1085, 0.8569,
0.0000

■ 124.8232,
153.2547, 111.2061

■ 0.0000, 0.0000,
0.0000

156.6832,

190.2665, 142.2790

193.5497,
232.8037, 178.6599

■ 18.3398, 25.6887,
12.7959

■ 18.3398, 25.6887,
12.7959

■ 16.5998, 24.8555,
9.8674

■ 20.3803, 26.6635,
16.4106

■ 15.1435, 24.1539,
7.5799

■ 22.7331, 27.7828,
20.7493

■ 13.9553, 23.5776,
5.8860


■ 25.4118, 29.0536,
25.8491


■ 13.0171, 23.1185,
4.7303


■ 28.4285, 30.4815,
31.7440


■ 12.3082, 22.7675,
4.0475


■ 31.7948, 32.0715,
38.4662

 11.9224, 22.5752,
3.7291

 35.5215, 33.8288,
46.0457

 39.6192, 35.7581,
54.5114

 44.0979, 37.8640,
63.8906

 48.9672, 40.1509,
74.2095

Harmonies

Analogous

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



22.0848, 25.6887, 9.0908



18.3398, 25.6887, 12.7959



16.3745, 25.6887, 21.4275

Triad

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



18.3398, 25.6887, 12.7959



22.0097, 25.6887, 63.1288



34.7631, 25.6887, 21.6208

Complementary

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



18.3398, 25.6887, 12.7959



18.7465, 13.9591, 30.9860

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.



34.7358, 25.6887, 35.7262



18.3398, 25.6887, 12.7959



26.9064, 25.6887, 63.2350

Square

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



18.3398, 25.6887, 12.7959



18.2912, 25.6887, 51.7279



31.7056, 25.6887, 51.9824



31.7757, 25.6887, 12.8963

Rectangle

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



18.3398, 25.6887, 12.7959



16.1450, 25.6887, 30.2754



31.7056, 25.6887, 51.9824



35.1179, 25.6887, 25.7859

Sweetspot

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



18.3404, 25.6898, 12.7965



45.3984, 51.9774, 46.0803



22.9224, 24.2106, 12.2694



10.0828, 11.7021, 10.0203



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.3404, 25.6898, 12.7965



29.7283, 44.5117, 17.6729



17.2623, 25.0558, 16.2818



6.2761, 6.9998, 6.6262



10.1660, 19.2166, 3.1734



0.1825, 0.3030, 0.0489

Inverse Universe

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



18.7465, 13.9591, 30.9860



30.5306, 20.5582, 54.7927



20.5234, 15.0084, 25.0469



6.3035, 6.2423, 7.8016



10.4118, 4.8185, 25.2890



0.1889, 0.0892, 0.3796

Previews

White Background



This preview shows how the XYZ color 18.3398, 25.6887, 12.7959 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 18.3398, 25.6887, 12.7959 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 18.3398, 25.6887, 12.7959

Background



This preview shows how black text looks on a background with the XYZ color 18.3398, 25.6887, 12.7959.



This preview shows how white text looks on a background with the XYZ color 18.3398, 25.6887,

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

18.3398, 25.6887, 12.7959

Protanopia

23.3362, 25.3503, 11.4477

Deuteranopia

25.8226, 25.3477, 13.2045



Tritanopia

22.5946, 25.5554, 34.3137

Trichromacy



Original Color

18.3398, 25.6887, 12.7959

Protanomaly

21.2153, 25.3378, 11.9561

Deuteranomaly

22.3635, 25.0261, 13.1030

Tritanomaly

20.6717, 25.4577, 24.5932

Monochromacy



Original Color

18.3398, 25.6887, 12.7959

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.6720, 23.0766, 19.0402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3398, 25.6887, 12.7959 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(103, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(103, 151, 86)  
}
```

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(103, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 151, 86) }
```

Border

The CSS property to change the border of an element to XYZ 18.3398, 25.6887, 12.7959 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(103, 151, 86) }
```


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

```
.border{ border-color:rgb(103, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(103, 151,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3398, 25.6887, 12.7959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 151, 86) }
```

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

```
.background{ background-color: rgb(103,  
151, 86) }
```

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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