

Converting Colors

XYZ(18.8522, 25.2912, 31.9154)

Have a look what the booklet for
XYZ(18.8522, 25.2912, 31.9154)
contains.

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Color

**XYZ(18.8502, 25.2904,
31.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	479694
RGB	71, 150, 148
RGB Percent	28%, 59%, 58%
CMY	0.7216, 0.4118, 0.4196
CMYK	0.53, 0.00, 0.01, 0.41
HSL	178°, 36%, 43%
HSV	178°, 53%, 59%
XYZ	18.8502, 25.2904, 31.9050
YIQ	126.1510, -46.4420, -17.3700

Conversions

Conversions Part 2

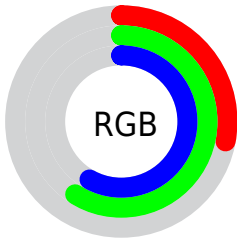
Format	Color
RYB	71, 111, 150
Decimal	4691604
CIELab	57.36, -24.61, -6.36
CIELCh	57, 25.421, 194.494
Yxy	25.2904, 0.2479, 0.3326
Android (android.graphics.Color)	4282881684 (0xFF479694)
YUV	126.1510, 10.7716, -48.3674
Hunter-Lab	50.2896, -21.0990, -2.4124

Details

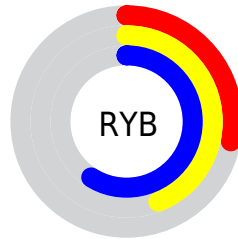
The XYZ color **18.8502, 25.2904, 31.9050** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0344, 11.4724, 7.6736**, and the grayscale version is **19.8591, 20.8933, 22.7528**.

A 20% lighter version of the original color is **40.8577, 51.8856, 63.7386**, and **6.6195, 9.7867, 12.8494** is the 20% darker color. If you saturate the color by 10%, you get **17.8532, 24.7805, 31.7021**, and if you desaturate by 10%, it is **20.1204, 25.9423, 32.1223**.

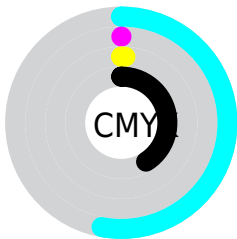
Distribution



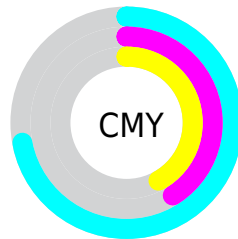
- Red (28%)
- Green (59%)
- Blue (58%)



- Red (28%)
- Yellow (44%)
- Blue (59%)



- Cyan (53%)
- Magenta (0%)
- Yellow (1%)
- Black (41%)



- Cyan (72%)
- Magenta (41%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8502, 25.2904, 31.9050 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 18.8502, 25.2904, 31.9050 by changing the saturation by 10% instead.

■ 18.8502, 25.2904,
31.9050

■ 18.8502, 25.2904,
31.9050

238.5745,
279.2811, 325.1656

■ 11.6654, 16.2935,
21.0247

■ 40.9997, 52.1279,
63.7583

■ 6.5869, 9.7321,
12.9507

■ 56.6951, 70.7374,
85.5684

■ 3.2491, 5.2217,
7.2643

■ 75.9581, 93.3199,
111.8589

■ 1.2868, 2.3779,
3.5470

■ 99.1540, 120.2598,
143.0483

■ 0.1733, 0.8145,
1.3803

■ 126.6483,
151.9414, 179.5551

■ 0.0000, 0.0000,
0.1262

158.8063,

■ 0.0000, 0.0000,

188.7493, 221.7979

0.0000

195.9932,
231.0677, 270.1953

■ 18.8502, 25.2904,
31.9050

■ 18.8502, 25.2904,
31.9050

■ 17.8532, 24.7805,
31.7021

■ 20.1204, 25.9423,
32.1223

■ 17.1067, 24.3991,
31.5109

■ 21.6798, 26.7427,
32.3531

■ 16.5884, 24.1354,
31.3309

■ 23.5459, 27.7012,
32.5988

■ 16.2706, 23.9750,
31.1608

■ 25.7341, 28.8258,
32.8600

■ 16.1108, 23.8951,
31.0398

■ 28.2588, 30.1238,
33.1375

■ 31.1335, 31.6022,
33.4320

■ 34.3710, 33.2676,
33.7439

■ 37.9834, 35.1263,
34.0739

■ 41.9823, 37.1843,
34.4224

Harmonies

Analogous

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



18.8728, 25.2904, 23.3322



18.8502, 25.2904, 31.9050



20.1348, 25.2904, 40.8896

Triad

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



18.8502, 25.2904, 31.9050



28.3342, 25.2904, 41.1604



25.6213, 25.2904, 14.4360

Complementary

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



18.8502, 25.2904, 31.9050



16.0344, 11.4724, 7.6736

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.



28.4151, 25.2904, 17.4625



18.8502, 25.2904, 31.9050



30.0684, 25.2904, 32.2188

Square

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



18.8502, 25.2904, 31.9050



25.5181, 25.2904, 46.9437



30.0992, 25.2904, 23.5870



22.6158, 25.2904, 14.3866

Rectangle

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



18.8502, 25.2904, 31.9050



21.6267, 25.2904, 45.4055



30.0992, 25.2904, 23.5870



26.6217, 25.2904, 15.1053

Sweetspot

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



18.8510, 25.2914, 31.9056



43.9363, 50.1101, 57.8170



14.8404, 23.7100, 9.7562



9.5789, 11.0239, 12.7942



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.8510, 25.2914, 31.9056



31.2696, 43.6097, 55.8907



14.0244, 15.3826, 31.0852



5.9578, 6.5597, 7.3889



13.3633, 19.8181, 25.7526



0.1652, 0.2432, 0.3237

Inverse Universe

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



16.0344, 11.4724, 7.6736



25.7584, 16.5449, 8.4565



19.0644, 17.6370, 8.3614



5.8064, 5.8176, 6.0866



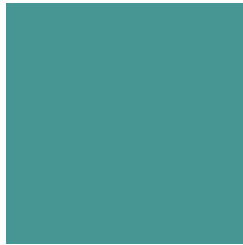
10.4508, 5.3854, 0.5888



0.1291, 0.0664, 0.0134

Previews

White Background



This preview shows how the XYZ color 18.8502, 25.2904, 31.9050 looks on a white background.

Color Contrast Check

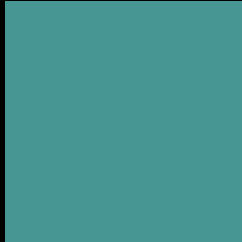
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8502, 25.2904, 31.9050 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 18.8502, 25.2904, 31.9050

Background



This preview shows how black text looks on a background with the XYZ color 18.8502, 25.2904, 31.9050.

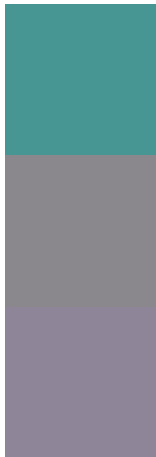


This preview shows how white text looks on a background with the XYZ color 18.8502, 25.2904,

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

18.8502, 25.2904, 31.9050

Protanopia

24.0190, 24.9050, 28.3522

Deuteranopia

25.3827, 24.8817, 33.1706



Tritanopia

19.8367, 25.2137, 37.0789

Trichromacy



Original Color

18.8502, 25.2904, 31.9050

Protanomaly

21.4222, 24.6103, 29.6078

Deuteranomaly

22.1547, 24.4815, 32.8359

Tritanomaly

19.5722, 25.3510, 35.3142

Monochromacy



Original Color

18.8502, 25.2904, 31.9050

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9109, 22.1133, 25.8258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8502, 25.2904, 31.9050 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(71, 150, 148)` looks like.

```
.text, #text, p{  
    color:rgb(71, 150, 148)  
}
```

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(71, 150, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 150, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.8502, 25.2904, 31.9050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

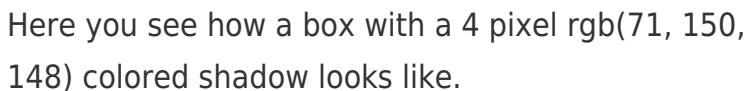
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 150, 148) }
```


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

```
.border{ border-color:rgb(71, 150, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 150, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 150, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 150, 148); box-shadow:4px 4px 4px 4px rgb(71, 150, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8502, 25.2904, 31.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 150, 148) }
```

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

```
.background{ background-color: rgb(71, 150,  
148) }
```

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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