

Converting Colors

XYZ(18.8229, 25.0873, 31.7880)

Have a look what the booklet for
XYZ(18.8229, 25.0873, 31.7880)
contains.

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Color

**XYZ(18.8404, 25.0495,
31.8590)**

Conversions

Conversions Part 1

Format	Color
Hex	499594
RGB	73, 149, 148
RGB Percent	29%, 58%, 58%
CMY	0.7137, 0.4157, 0.4196
CMYK	0.51, 0.00, 0.01, 0.42
HSL	179°, 34%, 44%
HSV	179°, 51%, 58%
XYZ	18.8404, 25.0495, 31.8590
YIQ	126.1620, -44.9750, -16.4230

Conversions

Conversions Part 2

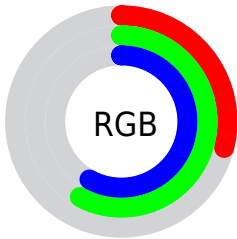
Format	Color
R _Y B	73, 111, 149
Decimal	4822420
CIE Lab	57.12, -23.66, -6.70
CIE LCh	57, 24.586, 195.816
Yxy	25.0495, 0.2487, 0.3307
Android (android.graphics.Color)	4283012500 (0xFF499594)
YUV	126.1620, 10.7661, -46.6231
Hunter-Lab	50.0495, -20.3928, -2.7064

Details

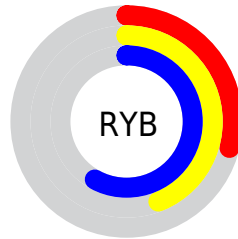
The XYZ color **18.8404, 25.0495, 31.8590** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0139, 11.6498, 7.8841**, and the grayscale version is **19.8624, 20.8968, 22.7567**.

A 20% lighter version of the original color is **40.9187, 51.5653, 63.6736**, and **6.5754, 9.6242, 12.8204** is the 20% darker color. If you saturate the color by 10%, you get **17.8286, 24.5303, 31.7311**, and if you desaturate by 10%, it is **20.1242, 25.7101, 32.0009**.

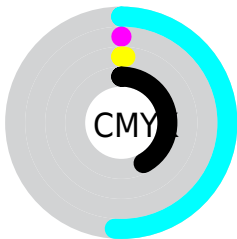
Distribution



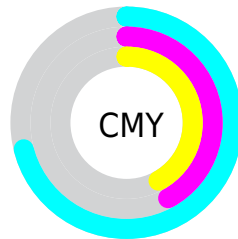
- Red (29%)
- Green (58%)
- Blue (58%)



- Red (29%)
- Yellow (44%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (42%)



- Cyan (71%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8404, 25.0495, 31.8590 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 18.8404, 25.0495, 31.8590 by changing the saturation by 10% instead.

■ 18.8404, 25.0495,
31.8590

■ 18.8404, 25.0495,
31.8590

238.5213,
278.0844, 324.9494

■ 11.6583, 16.1139,
20.9899

■ 40.9832, 51.7375,
63.6853

■ 6.5820, 9.6048,
12.9254

■ 56.6746, 70.2588,
85.4796

■ 3.2461, 5.1377,
7.2471

■ 75.9333, 92.7440,
111.7527

■ 1.2852, 2.3283,
3.5363

■ 99.1244, 119.5777,
142.9232

■ 0.1721, 0.7886,
1.3746

■ 126.6134,
151.1442, 179.4095

■ 0.0000, 0.0000,
0.1218

158.7657,

■ 0.0000, 0.0000,

187.8278, 221.6303

0.0000

195.9465,
230.0131, 270.0041

■ 18.8404, 25.0495,
31.8590

■ 18.8404, 25.0495,
31.8590

■ 17.8286, 24.5303,
31.7311

■ 20.1242, 25.7101,
32.0009

■ 17.0670, 24.1394,
31.6145

■ 21.6954, 26.5183,
32.1557

■ 16.5339, 23.8664,
31.5088

■ 23.5711, 27.4834,
32.3250

■ 16.2032, 23.6977,
31.4126

■ 25.7662, 28.6132,
32.5094

■ 16.0174, 23.6035,
31.3315

■ 28.2946, 29.9149,
32.7095

■ 31.1697, 31.3952,
32.9259

■ 34.4038, 33.0607,
33.1593

■ 38.0088, 34.9173,
33.4102

■ 41.9959, 36.9709,
33.6791

Harmonies

Analogous

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



18.8053, 25.0495, 23.5487



18.8404, 25.0495, 31.8590



20.1329, 25.0495, 40.3921

Triad

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



18.8404, 25.0495, 31.8590



28.0319, 25.0495, 39.9758



25.2003, 25.0495, 14.5450

Complementary

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



18.8404, 25.0495, 31.8590



16.0139, 11.6498, 7.8841

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.



27.9069, 25.0495, 17.3576



18.8404, 25.0495, 31.8590



29.6294, 25.0495, 31.3743

Square

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



18.8404, 25.0495, 31.8590



25.3599, 25.0495, 45.6879



29.5818, 25.0495, 23.1526



22.3223, 25.0495, 14.6225

Rectangle

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



18.8404, 25.0495, 31.8590



21.5985, 25.0495, 44.5740



29.5818, 25.0495, 23.1526



26.1650, 25.0495, 15.1543

Sweetspot

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



18.8411, 25.0505, 31.8596



44.3805, 50.3339, 58.0726



14.7954, 23.4434, 10.0491



9.6705, 11.0698, 12.8558



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.



18.8411, 25.0505, 31.8596



31.7360, 43.8305, 56.7974



13.9969, 15.2345, 30.6377



5.9609, 6.5609, 7.4048



13.4813, 19.8653, 26.3737



0.1659, 0.2435, 0.3273

Inverse Universe

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



16.0139, 11.6498, 7.8841



26.0971, 17.0922, 8.9708



19.1451, 17.9659, 8.7626



5.8037, 5.8166, 6.0725



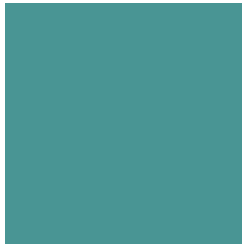
10.4416, 5.3817, 0.5405



0.1284, 0.0661, 0.0099

Previews

White Background



This preview shows how the XYZ color 18.8404, 25.0495, 31.8590 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 18.8404, 25.0495, 31.8590 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 18.8404, 25.0495, 31.8590

Background



This preview shows how black text looks on a background with the XYZ color 18.8404, 25.0495, 31.8590.

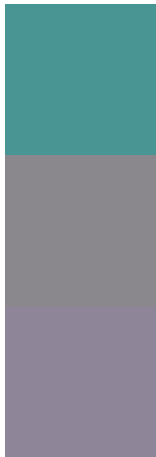


This preview shows how white text looks on a background with the XYZ color 18.8404, 25.0495,

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

18.8404, 25.0495, 31.8590

Protanopia

24.0190, 24.9050, 28.3522

Deuteranopia

25.3827, 24.8817, 33.1706



Tritanopia

19.7523, 24.9484, 36.5754

Trichromacy



Original Color

18.8404, 25.0495, 31.8590

Protanomaly

21.4222, 24.6103, 29.6078

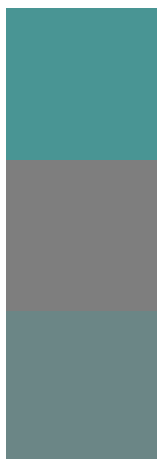
Deuteranomaly

22.2897, 24.5512, 32.8422

Tritanomaly

19.4868, 25.0829, 34.8248

Monochromacy



Original Color

18.8404, 25.0495, 31.8590

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.8916, 21.8972, 25.7852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8404, 25.0495, 31.8590 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(73, 149, 148)` looks like.

```
.text, #text, p{  
    color:rgb(73, 149, 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(73, 149, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 149, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.8404, 25.0495, 31.8590 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(73, 149, 148) }
```


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

```
.border{ border-color:rgb(73, 149, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 149, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 149, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 149, 148);  
box-shadow:4px 4px 4px 4px rgb(73, 149,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8404, 25.0495, 31.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 149, 148) }
```

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

```
.background{ background-color: rgb(73, 149,  
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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