

Converting Colors

XYZ(18.9495, 25.4067, 31.8784)

Have a look what the booklet for
XYZ(18.9495, 25.4067, 31.8784)
contains.

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Color

**XYZ(18.9241, 25.3285,
31.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	489694
RGB	72, 150, 148
RGB Percent	28%, 59%, 58%
CMY	0.7176, 0.4118, 0.4196
CMYK	0.52, 0.00, 0.01, 0.41
HSL	178°, 35%, 44%
HSV	178°, 52%, 59%
XYZ	18.9241, 25.3285, 31.9085
YIQ	126.4500, -45.8460, -17.1580

Conversions

Conversions Part 2

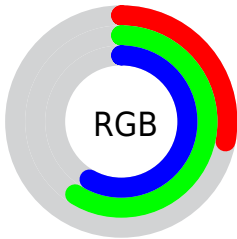
Format	Color
R_{YB}	72, 112, 150
Decimal	4757140
CIE _{Lab}	57.39, -24.39, -6.30
CIE _{LCh}	57, 25.192, 194.491
Yxy	25.3285, 0.2485, 0.3326
Android (android.graphics.Color)	4282947220 (0xFF489694)
YUV	126.4500, 10.6241, -47.7527
Hunter-Lab	50.3274, -20.9535, -2.3617




Details

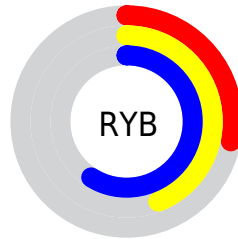
The XYZ color **18.9241, 25.3285, 31.9085** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1319, 11.6139, 7.8708**, and the grayscale version is **19.9612, 21.0007, 22.8698**.




A 20% lighter version of the original color is **41.0059, 51.9620, 63.7455**, and **6.6195, 9.7867, 12.8494** is the 20% darker color. If you saturate the color by 10%, you get **17.9092, 24.8094, 31.7028**, and if you desaturate by 10%, it is **20.2135, 25.9903, 32.1287**.

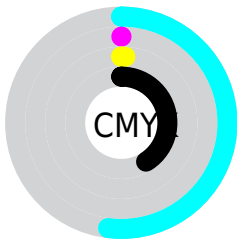
Distribution







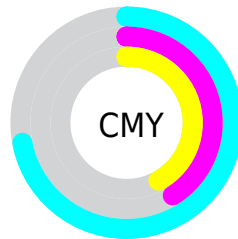
-  Red (28%)
-  Green (59%)
-  Blue (58%)






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



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (41%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9241, 25.3285, 31.9085 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 18.9241, 25.3285, 31.9085 by changing the saturation by 10% instead.

■ 18.9241, 25.3285,
31.9085

■ 18.9241, 25.3285,
31.9085

■ 238.9756,
279.4700, 325.1821

■ 11.7191, 16.3220,
21.0274

■ 41.1237, 52.1896,
63.7639

■ 6.6236, 9.7523,
12.9526

■ 56.8490, 70.8130,
85.5752

■ 3.2720, 5.2350,
7.2656

■ 76.1451, 93.4109,
111.8670

■ 1.2992, 2.3858,
3.5478

■ 99.3774, 120.3675,
143.0578

■ 0.1826, 0.8186,
1.3807

■ 126.9113,
152.0673, 179.5662

■ 0.0000, 0.0000,
0.1266

159.1120,

■ 0.0000, 0.0000,

188.8947, 221.8107

0.0000

196.3450,
231.2342, 270.2098

■ 18.9241, 25.3285,
31.9085

■ 18.9241, 25.3285,
31.9085

■ 17.9092, 24.8094,
31.7028

■ 20.2135, 25.9903,
32.1287

■ 17.1463, 24.4196,
31.5088

■ 21.7932, 26.8011,
32.3625

■ 16.6132, 24.1483,
31.3261

■ 23.6806, 27.7706,
32.6112

■ 16.2827, 23.9814,
31.1535

■ 25.8912, 28.9066,
32.8755

■ 16.1070, 23.8936,
31.0199

■ 28.4392, 30.2165,
33.1562

■ 31.3380, 31.7074,
33.4538

■ 34.6005, 33.3856,
33.7690

■ 38.2387, 35.2576,
34.1023

■ 42.2641, 37.3292,
34.4543

Harmonies

Analogous

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



18.9466, 25.3285, 23.4046



18.9241, 25.3285, 31.9085



20.2000, 25.3285, 40.8062

Triad

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



18.9241, 25.3285, 31.9085



28.3334, 25.3285, 41.0756



25.6448, 25.3285, 14.5573

Complementary

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



18.9241, 25.3285, 31.9085



16.1319, 11.6139, 7.8708

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.



28.4141, 25.3285, 17.5713



18.9241, 25.3285, 31.9085



30.0518, 25.3285, 32.2212

Square

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



18.9241, 25.3285, 31.9085



25.5419, 25.3285, 46.7963



30.0824, 25.3285, 23.6590



22.6634, 25.3285, 14.5079

Rectangle

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



18.9241, 25.3285, 31.9085



21.6812, 25.3285, 45.2743



30.0824, 25.3285, 23.6590



26.6366, 25.3285, 15.2242

Sweetspot

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



18.9249, 25.3295, 31.9091



43.9351, 50.1096, 57.8111



14.9472, 23.7613, 9.9300



9.5786, 11.0238, 12.7928



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.



18.9249, 25.3295, 31.9091



31.4169, 43.6855, 55.9034



14.1505, 15.5251, 31.1060



5.9578, 6.5597, 7.3884



13.3602, 19.8169, 25.7362



0.1652, 0.2432, 0.3236

Inverse Universe

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



16.1319, 11.6139, 7.8708



25.9518, 16.8250, 8.8505



19.1531, 17.7625, 8.5504



5.8065, 5.8177, 6.0870



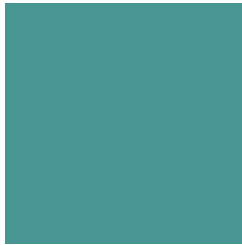
10.4510, 5.3855, 0.5901



0.1291, 0.0664, 0.0135

Previews

White Background



This preview shows how the XYZ color 18.9241, 25.3285, 31.9085 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 18.9241, 25.3285, 31.9085 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 18.9241, 25.3285, 31.9085

Background



This preview shows how black text looks on a background with the XYZ color 18.9241, 25.3285, 31.9085.

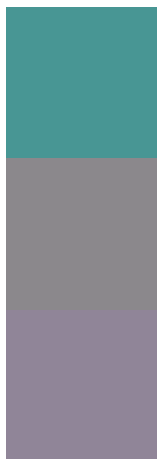


This preview shows how white text looks on a background with the XYZ color 18.9241, 25.3285,

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

18.9241, 25.3285, 31.9085

Protanopia

24.1852, 24.9907, 28.3599

Deuteranopia

25.5566, 24.9713, 33.1787



Tritanopia

19.9156, 25.2544, 37.0826

Trichromacy



Original Color

18.9241, 25.3285, 31.9085

Protanomaly

21.5530, 24.6778, 29.6139

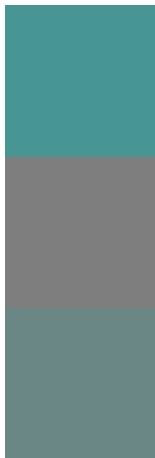
Deuteranomaly

22.2897, 24.5512, 32.8422

Tritanomaly

19.6498, 25.3910, 35.3178

Monochromacy



Original Color

18.9241, 25.3285, 31.9085

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 18.9241, 25.3285, 31.9085 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(72, 150, 148)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 150, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 150, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.9241, 25.3285, 31.9085 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(72, 150, 148) }
```


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

```
.border{ border-color:rgb(72, 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(72, 150, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 150, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 150, 148);  
box-shadow:4px 4px 4px 4px rgb(72, 150,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9241, 25.3285, 31.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 150, 148) }
```

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

```
.background{ background-color: rgb(72, 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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