

Converting Colors

XYZ(18.8390, 25.1818, 33.1649)

Have a look what the booklet for
XYZ(18.8390, 25.1818, 33.1649)
contains.

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Color

**XYZ(18.8762, 25.2760,
33.1620)**

Conversions

Conversions Part 1

Format	Color
Hex	449697
RGB	68, 150, 151
RGB Percent	27%, 59%, 59%
CMY	0.7333, 0.4118, 0.4078
CMYK	0.55, 0.01, 0.00, 0.41
HSL	181°, 38%, 43%
HSV	181°, 55%, 59%
XYZ	18.8762, 25.2760, 33.1620
YIQ	125.5960, -49.1930, -17.0730

Conversions

Conversions Part 2

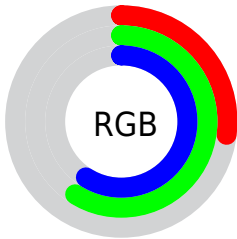
Format	Color
R _{YB}	68, 109, 151
Decimal	4494999
CIE _{Lab}	57.34, -24.42, -8.11
CIE _{LCh}	57, 25.729, 198.369
Y _{xy}	25.2760, 0.2441, 0.3269
Android (android.graphics.Color)	4282685079 (0xFF449697)
Y _{UV}	125.5960, 12.5242, -50.5117
Hunter-Lab	50.2752, -20.9626, -3.9155

Details

The XYZ color **18.8762, 25.2760, 33.1620** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9346, 11.2535, 6.8019**, and the grayscale version is **19.6658, 20.6900, 22.5314**.

A 20% lighter version of the original color is **40.9245, 51.8786, 65.6142**, and **6.7621, 9.8438, 13.6002** is the 20% darker color. If you saturate the color by 10%, you get **17.9269, 24.7442, 33.1098**, and if you desaturate by 10%, it is **20.0983, 25.9497, 33.2281**.

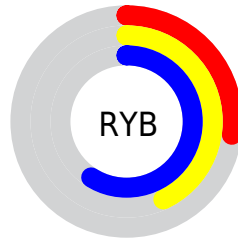
Distribution



Red (27%)

Green (59%)

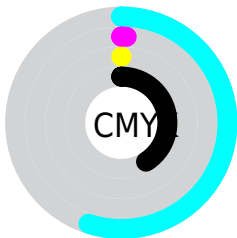
Blue (59%)



Red (27%)

Yellow (43%)

Blue (59%)

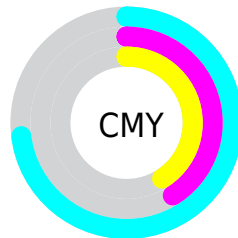


Cyan (55%)

Magenta (1%)

Yellow (0%)

Black (41%)



Cyan (73%)

Magenta (41%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8762, 25.2760, 33.1620 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 18.8762, 25.2760, 33.1620 by changing the saturation by 10% instead.

■ 18.8762, 25.2760,
33.1620

■ 18.8762, 25.2760,
33.1620

238.7157,
279.2097, 331.0335

■ 11.6843, 16.2828,
21.9784

■ 41.0433, 52.1046,
65.7473

■ 6.5998, 9.7245,
13.6429

■ 56.7492, 70.7088,
87.9861

■ 3.2572, 5.2167,
7.7368

■ 76.0239, 93.2855,
114.7471

■ 1.2912, 2.3749,
3.8417

■ 99.2327, 120.2191,
146.4488

■ 0.1766, 0.8130,
1.5389

■ 126.7409,
151.8938, 183.5097

■ 0.0000, 0.0000,
0.2466

158.9139,

■ 0.0000, 0.0000,

188.6943, 226.3485

0.0000

196.1170,
231.0048, 275.3835

■ 18.8762, 25.2760,
33.1620

■ 18.8762, 25.2760,
33.1620

■ 17.9269, 24.7442,
33.1098

■ 20.0983, 25.9497,
33.2281

■ 17.2270, 24.3404,
33.0688

■ 21.6100, 26.7721,
33.3071

■ 16.7526, 24.0530,
33.0383

■ 23.4293, 27.7532,
33.4006

■ 16.4723, 23.8657,
33.0169

■ 25.5722, 28.9012,
33.5093

■ 16.3626, 23.7876,
33.0076

■ 28.0536, 30.2238,
33.6338

■ 30.8875, 31.7281,
33.7748

■ 34.0868, 33.4209,
33.9329

■ 37.6642, 35.3086,
34.1087

■ 41.6315, 37.3974,
34.3028

Harmonies

Analogous

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



18.7247, 25.2760, 24.2716



18.8762, 25.2760, 33.1620



20.3343, 25.2760, 42.0838

Triad

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



18.8762, 25.2760, 33.1620



28.6804, 25.2760, 40.2576



25.2261, 25.2760, 14.1286

Complementary

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



18.8762, 25.2760, 33.1620



15.9346, 11.2535, 6.8019

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.



28.1353, 25.2760, 16.7778



18.8762, 25.2760, 33.1620



30.2395, 25.2760, 31.0487

Square

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



18.8762, 25.2760, 33.1620



25.9204, 25.2760, 46.7408



30.0319, 25.2760, 22.5594



22.2226, 25.2760, 14.4588

Rectangle

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



18.8762, 25.2760, 33.1620



21.9261, 25.2760, 46.2769



30.0319, 25.2760, 22.5594



26.2518, 25.2760, 14.6727

Sweetspot

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



18.8770, 25.2770, 33.1626



45.2406, 51.4610, 59.9822



14.4945, 23.7801, 9.2957



10.1120, 11.6051, 13.6245



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.



18.8770, 25.2770, 33.1626



31.7702, 44.1228, 59.2758



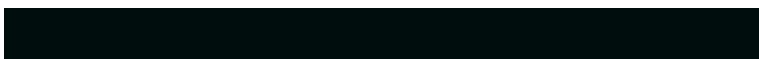
13.4927, 14.5084, 31.3678



6.3782, 7.0138, 7.9466



13.9215, 20.2396, 28.0806



0.2099, 0.3061, 0.4204

Inverse Universe

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



20.3353, 12.9163, 30.2765



34.6756, 19.6991, 53.4805



19.3287, 18.0417, 7.9333



6.4580, 6.3224, 7.7920



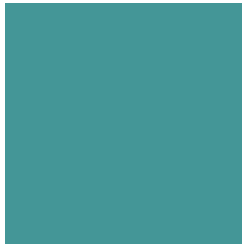
15.4857, 7.4485, 24.8804



0.2324, 0.1117, 0.3766

Previews

White Background



This preview shows how the XYZ color 18.8762, 25.2760, 33.1620 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 18.8762, 25.2760, 33.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

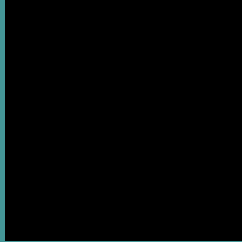
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8762, 25.2760, 33.1620

Background



This preview shows how black text looks on a background with the XYZ color 18.8762, 25.2760, 33.1620.

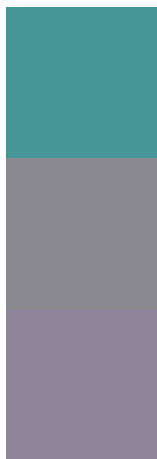


This preview shows how white text looks on a background with the XYZ color 18.8762, 25.2760,

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

18.8762, 25.2760, 33.1620

Protanopia

24.2433, 24.9948, 29.5333

Deuteranopia

25.4593, 24.8924, 34.4732



Tritanopia

19.8530, 25.4458, 37.5834

Trichromacy



Original Color

18.8762, 25.2760, 33.1620

Protanomaly

21.5232, 24.6358, 30.8149

Deuteranomaly

22.1356, 24.4432, 34.1232

Tritanomaly

19.4318, 25.2688, 35.7515

Monochromacy



Original Color

18.8762, 25.2760, 33.1620

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.8628, 22.0805, 26.1894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8762, 25.2760, 33.1620 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(68, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(68, 150, 151)  
}
```

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(68, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 150, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.8762, 25.2760, 33.1620 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(68, 150, 151) }
```


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

```
.border{ border-color:rgb(68, 150, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(68, 150,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8762, 25.2760, 33.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 150, 151) }
```

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

```
.background{ background-color: rgb(68, 150,  
151) }
```

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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