

Converting Colors

XYZ(18.5754, 28.8286, 25.2090)

Have a look what the booklet for
XYZ(18.5754, 28.8286, 25.2090)
contains.

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Color

**XYZ(18.6031, 28.8397,
25.3550)**

Conversions

Conversions Part 1

Format	Color
Hex	33A481
RGB	51, 164, 129
RGB Percent	20%, 64%, 51%
CMY	0.8000, 0.3569, 0.4941
CMYK	0.69, 0.00, 0.21, 0.36
HSL	161°, 53%, 42%
HSV	161°, 69%, 64%
XYZ	18.6031, 28.8397, 25.3550
YIQ	126.2230, -56.1130, -34.8410

Conversions

Conversions Part 2

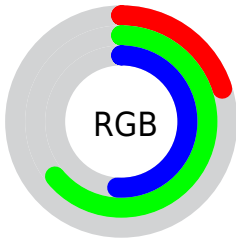
Format	Color
RYB	51, 118, 164
Decimal	3384449
CIELab	60.64, -40.04, 9.09
CIELCh	61, 41.060, 167.206
Yxy	28.8397, 0.2555, 0.3962
Android (android.graphics.Color)	4281574529 (0xFF33A481)
YUV	126.2230, 1.3691, -65.9706
Hunter-Lab	53.7026, -32.1454, 9.5988

Details

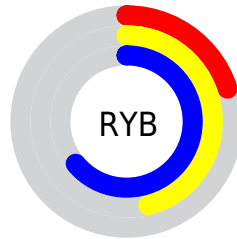
The XYZ color **18.6031, 28.8397, 25.3550** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.1743, 10.9327, 9.9573**, and the grayscale version is **19.9169, 20.9542, 22.8191**.

A 20% lighter version of the original color is **40.7188, 58.0085, 53.3066**, and **7.1324, 11.9481, 9.5197** is the 20% darker color. If you saturate the color by 10%, you get **17.5888, 28.3556, 23.5889**, and if you desaturate by 10%, it is **19.9272, 29.4830, 27.2245**.

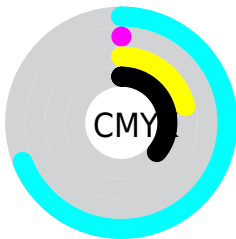
Distribution



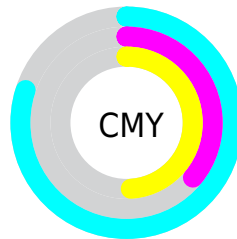
- Red (20%)
- Green (64%)
- Blue (51%)



- Red (20%)
- Yellow (46%)
- Blue (64%)



- Cyan (69%)
- Magenta (0%)
- Yellow (21%)
- Black (36%)



- Cyan (80%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6031, 28.8397, 25.3550 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 18.6031, 28.8397, 25.3550 by changing the saturation by 10% instead.

■ 18.6031, 28.8397,
25.3550

■ 18.6031, 28.8397,
25.3550

237.2292,
296.4579, 293.1053

■ 11.4861, 18.9596,
16.1203

■ 40.5844, 57.8223,
53.2038

■ 6.4645, 11.6411,
9.4541

■ 56.1795, 77.6936,
72.6550

■ 3.1729, 6.4998,
4.9377

■ 75.3313, 101.6640,
96.3488

■ 1.2458, 3.1513,
2.1526

■ 98.4053, 130.1181,
124.7037

■ 0.1421, 1.2112,
0.6468

■ 125.7667,
163.4401, 158.1382

■ 0.0000, 0.0708,
0.0000

157.7809,

■ 0.0000, 0.0000,

202.0145, 197.0710

0.0000

194.8133,
246.2256, 241.9205

■ 18.6031, 28.8397,
25.3550

■ 18.6031, 28.8397,
25.3550

■ 17.5888, 28.3556,
23.5889

■ 19.9272, 29.4830,
27.2245

■ 16.8495, 28.0106,
21.9214

■ 21.5865, 30.2965,
29.1980

■ 16.3222, 27.7731,
20.3490

■ 23.6066, 31.2939,
31.2785

■ 16.2681, 27.7488,
20.1815

■ 26.0095, 32.4867,
33.4681

■ 28.8157, 33.8853,
35.7691

■ 32.0442, 35.4996,
38.1834

■ 35.7126, 37.3385,
40.7130

■ 39.8376, 39.4107,
43.3597

■ 44.4350, 41.7243,
46.1255

Harmonies

Analogous

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



20.5742, 28.8397, 15.4173



18.6031, 28.8397, 25.3550



18.7608, 28.8397, 40.8811

Triad

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



18.6031, 28.8397, 25.3550



30.5473, 28.8397, 68.4860



34.9581, 28.8397, 14.4467

Complementary

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



18.6031, 28.8397, 25.3550



18.1743, 10.9327, 9.9573

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.



38.3803, 28.8397, 23.5139



18.6031, 28.8397, 25.3550



35.6166, 28.8397, 55.7822

Square

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



18.6031, 28.8397, 25.3550



25.2095, 28.8397, 69.4717



38.6358, 28.8397, 38.3402



29.7376, 28.8397, 10.6318

Rectangle

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



18.6031, 28.8397, 25.3550



20.0497, 28.8397, 52.6367



38.6358, 28.8397, 38.3402



36.3847, 28.8397, 16.8183

Sweetspot

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



18.6039, 28.8408, 25.3557



50.9628, 60.8362, 63.8638



17.7841, 28.8069, 7.7553



10.8468, 13.1531, 13.7230



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.6039, 28.8408, 25.3557



31.1087, 51.0848, 41.0814



17.9320, 23.1153, 38.6399



7.1823, 7.9737, 8.5715



12.4951, 21.2844, 15.5898



0.2822, 0.4551, 0.4312

Inverse Universe

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



18.1743, 10.9327, 9.9573



30.3427, 16.3769, 11.5689



18.2073, 12.7304, 4.6299



7.1599, 7.1204, 7.8286



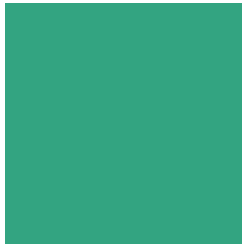
12.2129, 6.2412, 3.0458



0.2770, 0.1393, 0.1711

Previews

White Background



This preview shows how the XYZ color 18.6031, 28.8397, 25.3550 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 18.6031, 28.8397, 25.3550 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 18.6031, 28.8397, 25.3550

Background



This preview shows how black text looks on a background with the XYZ color 18.6031, 28.8397, 25.3550.



This preview shows how white text looks on a background with the XYZ color 18.6031, 28.8397,

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

18.6031, 28.8397, 25.3550

Protanopia

26.8420, 28.4769, 21.8512

Deuteranopia

28.7854, 28.2639, 26.4926



Tritanopia

22.0318, 28.6592, 42.8987

Trichromacy



Original Color

18.6031, 28.8397, 25.3550



Protanomaly

22.1395, 27.6684, 22.9126



Deuteranomaly

22.9383, 27.2984, 25.8899



Tritanomaly

20.5582, 28.5660, 35.8828

Monochromacy



Original Color

18.6031, 28.8397, 25.3550



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.3544, 22.9411, 23.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6031, 28.8397, 25.3550 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(51, 164, 129)` looks like.

```
.text, #text, p{  
    color:rgb(51, 164, 129)  
}
```

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(51, 164, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 164, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.6031, 28.8397, 25.3550 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(51, 164, 129) }
```


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

```
.border{ border-color:rgb(51, 164, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 164, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 164, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 164, 129);  
box-shadow:4px 4px 4px 4px rgb(51, 164,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6031, 28.8397, 25.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 164, 129) }
```

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

```
.background{ background-color: rgb(51, 164,  
129) }
```

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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