

Converting Colors

XYZ(19.6299, 33.0087, 25.8150)

Have a look what the booklet for
XYZ(19.6299, 33.0087, 25.8150)
contains.

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Color

**XYZ(19.6184, 33.0028,
25.7583)**

Conversions

Conversions Part 1

Format	Color
Hex	00B180
RGB	0, 177, 128
RGB Percent	0%, 69%, 50%
CMY	0.9999, 0.3059, 0.4980
CMYK	1.00, 0.00, 0.28, 0.31
HSL	163°, 100%, 35%
HSV	163°, 100%, 69%
XYZ	19.6184, 33.0028, 25.7583
YIQ	118.4910, -89.7630, -52.7630

Conversions

Conversions Part 2

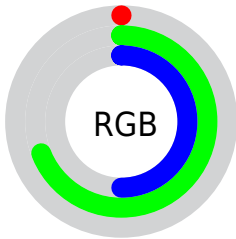
Format	Color
RYB	0, 103, 177
Decimal	45440
CIELab	64.16, -50.04, 14.52
CIELCh	64, 52.103, 163.821
Yxy	33.0028, 0.2503, 0.4211
Android (android.graphics.Color)	4278235520 (0xFF00B180)
YUV	118.4910, 4.6879, -103.9166
Hunter-Lab	57.4481, -39.5767, 13.6295

Details

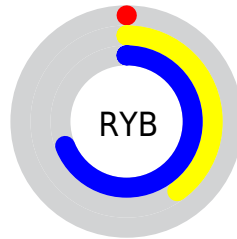
The XYZ color **19.6184, 33.0028, 25.7583** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.6870, 9.5696, 3.7695**, and the grayscale version is **17.3816, 18.2868, 19.9143**.

A 20% lighter version of the original color is **42.3794, 64.5615, 53.9441**, and **8.4942, 14.7304, 9.7927** is the 20% darker color. If you saturate the color by 10%, you get **19.6189, 33.0039, 25.7578**, and if you desaturate by 10%, it is **20.1937, 33.2621, 27.5108**.

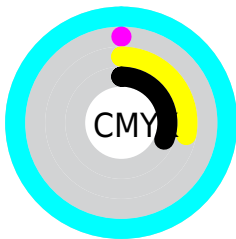
Distribution



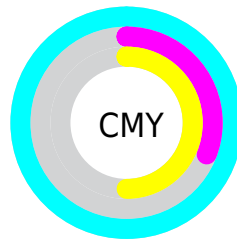
- Red (0%)
- Green (69%)
- Blue (50%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6184, 33.0028, 25.7583 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 19.6184, 33.0028, 25.7583 by changing the saturation by 10% instead.


 19.6184, 33.0028,
25.7583


 19.6184, 33.0028,
25.7583


242.7149,
315.6623, 295.1612


 12.2246, 22.1286,
16.4188


 42.2853, 64.3799,
53.8641


 6.9701, 13.9514,
9.6634


 58.2892, 85.6516,
73.4674


 3.4896, 8.0869,
5.0737


 77.8937, 111.1579,
97.3290

 1.4176, 4.1506,
2.2311

 101.4644,
141.2832, 125.8675

 0.2687, 1.7582,
0.6922

 129.3664,
176.4119, 159.5015

 0.0000, 0.4609,
0.0000

 161.9653,

 0.0000, 0.0000,

216.9284, 198.6494

0.0000

199.6263,
263.2171, 243.7298

■ 19.6184, 33.0028,
25.7583

■ 19.6184, 33.0028,
25.7583

■ 19.6189, 33.0039,
25.7578

■ 20.1937, 33.2621,
27.5108

■ 21.0032, 33.6393,
29.3560

■ 22.1324, 34.1796,
31.2997

■ 23.6216, 34.9036,
33.3449

■ 25.5050, 35.8289,
35.4941

■ 27.8126, 36.9710,
37.7500

■ 30.5714, 38.3437,
40.1146

■ 33.8062, 39.9599,
42.5902

■ 37.5401, 41.8313,
45.1788

Harmonies

Analogous

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



22.5330, 33.0028, 13.8649



19.6184, 33.0028, 25.7583



19.5080, 33.0028, 46.5430

Triad

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



19.6184, 33.0028, 25.7583



34.8815, 33.0028, 91.6059



42.7608, 33.0028, 14.5013

Complementary

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



19.6184, 33.0028, 25.7583



18.6870, 9.5696, 3.7695

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.



47.2636, 33.0028, 27.0744



19.6184, 33.0028, 25.7583



42.2550, 33.0028, 73.9547

Square

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



19.6184, 33.0028, 25.7583



27.5780, 33.0028, 90.8003



47.0652, 33.0028, 48.4896



35.4906, 33.0028, 9.3299

Rectangle

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



19.6184, 33.0028, 25.7583



20.9944, 33.0028, 63.6322



47.0652, 33.0028, 48.4896



44.6956, 33.0028, 17.7289

Sweetspot

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



19.6193, 33.0041, 25.7591



54.4729, 68.5315, 71.6163



17.0461, 32.1277, 5.3032



11.3473, 14.6238, 15.1391



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.6193, 33.0041, 25.7591



35.0372, 59.0675, 45.6121



17.1190, 21.5400, 44.8519



8.6403, 9.5906, 10.3653



14.2407, 23.9223, 18.8023



0.4712, 0.7620, 0.7136

Inverse Universe

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



18.6870, 9.5696, 3.7695



33.3852, 17.1053, 6.3241



18.8369, 10.7569, 1.0838



8.5898, 8.5427, 9.3385



13.5612, 6.9421, 2.8496



0.4520, 0.2286, 0.2230

Previews

White Background



This preview shows how the XYZ color 19.6184, 33.0028, 25.7583 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.6184, 33.0028, 25.7583 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 ✓ Pass

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

XYZ 19.6184, 33.0028, 25.7583

Background



This preview shows how black text looks on a background with the XYZ color 19.6184, 33.0028, 25.7583.

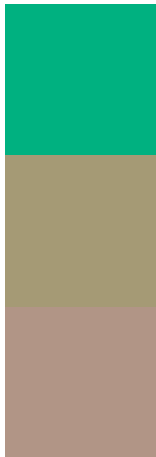


This preview shows how white text looks on a background with the XYZ color 19.6184, 33.0028,

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

19.6184, 33.0028, 25.7583

Protanopia

30.2835, 32.3949, 21.4863

Deuteranopia

33.1820, 32.5632, 27.0907



Tritanopia

24.7714, 33.1097, 50.4326

Trichromacy



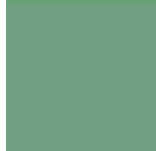
Original Color

19.6184, 33.0028, 25.7583



Protanomaly

22.1972, 30.2244, 22.7531



Deuteranomaly

23.3730, 29.9729, 26.3833



Tritanomaly

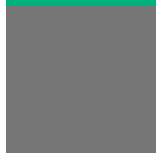
22.4074, 32.9608, 40.3030

Monochromacy



Original Color

19.6184, 33.0028, 25.7583



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.6471, 21.3662, 21.7118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6184, 33.0028, 25.7583 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(0, 177, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 128)  
}
```

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(0, 177, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.6184, 33.0028, 25.7583 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(0, 177, 128) }
```


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

```
.border{ border-color:rgb(0, 177, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6184, 33.0028, 25.7583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 128) }
```

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

```
.background{ background-color: rgb(0, 177,  
128) }
```

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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