

Converting Colors

XYZ(19.1565, 32.8833, 20.3764)

Have a look what the booklet for
XYZ(19.1565, 32.8833, 20.3764)
contains.

XYZ(19.1565, 32.8833, 20.3764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.1565, 32.8833,
20.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	1FB16F
RGB	31, 177, 111
RGB Percent	12%, 69%, 44%
CMY	0.8784, 0.3059, 0.5647
CMYK	0.82, 0.00, 0.37, 0.31
HSL	153°, 70%, 41%
HSV	153°, 82%, 69%
XYZ	19.1565, 32.8833, 20.3764
YIQ	125.8220, -65.8300, -51.4780

Conversions

Conversions Part 2

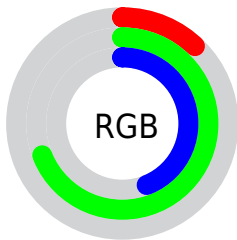
Format	Color
RYB	31, 125, 177
Decimal	2077039
CIELab	64.07, -51.96, 23.65
CIElCh	64, 57.087, 155.529
Yxy	32.8833, 0.2645, 0.4541
Android (android.graphics.Color)	4280267119 (0xFF1FB16F)
YUV	125.8220, -7.3072, -83.1589
Hunter-Lab	57.3440, -40.7217, 19.0729

Details

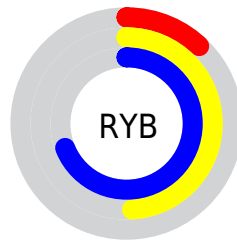
The XYZ color **19.1565, 32.8833, 20.3764** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.7803, 11.1910, 12.3759**, and the grayscale version is **19.8119, 20.8436, 22.6987**.

A 20% lighter version of the original color is **41.6272, 64.3735, 44.8817**, and **7.9525, 14.5137, 6.9397** is the 20% darker color. If you saturate the color by 10%, you get **18.3415, 32.5127, 18.1409**, and if you desaturate by 10%, it is **20.3053, 33.4232, 22.8351**.

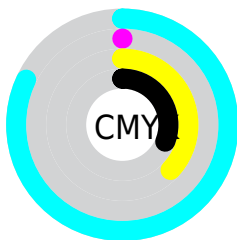
Distribution



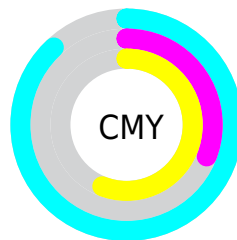
- Red (12%)
- Green (69%)
- Blue (44%)



- Red (12%)
- Yellow (49%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (37%)
- Black (31%)





- Cyan (88%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1565, 32.8833, 20.3764 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 19.1565, 32.8833, 20.3764 by changing the saturation by 10% instead.


 19.1565, 32.8833,
20.3764


 19.1565, 32.8833,
20.3764


240.2329,
315.1236, 266.6169


 11.8881, 22.0371,
12.4822


 41.5132, 64.1933,
44.9146

 6.7392, 13.8841,
6.9464

 57.3322, 85.4258,
62.3956


 3.3444, 8.0401,
3.3507


 76.7322, 110.8893,
83.9093

 1.3384, 4.1206,
1.2764

 100.0783,
140.9680, 109.8742

 0.2117, 1.7413,
0.0423

 127.7362,
176.0464, 140.7089

 0.0000, 0.4502,
0.0000

 160.0710,

 0.0000, 0.0000,

216.5088, 176.8319

0.0000

197.4481,
262.7398, 218.6617

■ 19.1565, 32.8833,
20.3764

■ 19.1565, 32.8833,
20.3764

■ 18.3415, 32.5127,
18.1409

■ 20.3053, 33.4232,
22.8351

■ 17.8797, 32.3083,
16.5993

■ 21.8282, 34.1504,
25.5218

■ 23.7622, 35.0847,
28.4440

■ 26.1391, 36.2425,
31.6081

■ 28.9872, 37.6382,
35.0200

■ 32.3325, 39.2851,
38.6854

■ 36.1991, 41.1955,
42.6100

■ 40.6094, 43.3810,
46.7990

■ 45.5844, 45.8521,
51.2575

Harmonies

Analogous

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



23.0801, 32.8833, 10.4560



19.1565, 32.8833, 20.3764



18.2190, 32.8833, 40.2572

Triad

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



19.1565, 32.8833, 20.3764



32.7730, 32.8833, 100.7129



45.6524, 32.8833, 15.6976

Complementary

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



19.1565, 32.8833, 20.3764



20.7803, 11.1910, 12.3759

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.



49.3737, 32.8833, 31.6926



19.1565, 32.8833, 20.3764



41.1619, 32.8833, 85.4846

Square

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



19.1565, 32.8833, 20.3764



25.2601, 32.8833, 93.3604



47.6035, 32.8833, 57.5360



38.1296, 32.8833, 8.6830

Rectangle

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



19.1565, 32.8833, 20.3764



19.2440, 32.8833, 58.5625



47.6035, 32.8833, 57.5360



47.4433, 32.8833, 19.8699

Sweetspot

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



19.1574, 32.8846, 20.3772



56.0452, 69.4392, 67.3011



21.1308, 34.2049, 6.7853



11.6991, 14.8286, 14.0970



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.



19.1574, 32.8846, 20.3772



32.0035, 57.8573, 29.4867



23.2799, 33.0229, 46.7436



8.5773, 9.5654, 10.0335



12.9849, 23.4199, 12.1894



0.4375, 0.7485, 0.5359

Inverse Universe

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



20.7803, 11.1910, 12.3759



35.0480, 17.8103, 14.9573



19.0066, 10.7005, 2.3604



8.6507, 8.5670, 9.6592



14.2162, 7.2041, 6.2987



0.4768, 0.2385, 0.3538

Previews

White Background



This preview shows how the XYZ color 19.1565, 32.8833, 20.3764 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 19.1565, 32.8833, 20.3764 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 19.1565, 32.8833, 20.3764

Background



This preview shows how black text looks on a background with the XYZ color 19.1565, 32.8833, 20.3764.



This preview shows how white text looks on a background with the XYZ color 19.1565, 32.8833,

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

19.1565, 32.8833, 20.3764

Protanopia

29.8409, 32.2663, 16.9671

Deuteranopia

32.9160, 32.3116, 21.6414



Tritanopia

24.9004, 32.6479, 49.2453

Trichromacy



Original Color

19.1565, 32.8833, 20.3764



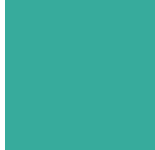
Protanomaly

22.9413, 30.7121, 18.0835



Deuteranomaly

24.0968, 30.4697, 20.8309



Tritanomaly

22.1392, 32.3383, 36.5276

Monochromacy



Original Color

19.1565, 32.8833, 20.3764



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.8910, 23.8554, 21.7508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1565, 32.8833, 20.3764 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(31, 177, 111)` looks like.

```
.text, #text, p{  
    color:rgb(31, 177, 111)  
}
```

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(31, 177, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 177, 111) }
```

Border

The CSS property to change the border of an element to XYZ 19.1565, 32.8833, 20.3764 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(31, 177, 111) }
```


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

```
.border{ border-color:rgb(31, 177, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 177, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 177, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 177, 111);  
box-shadow:4px 4px 4px 4px rgb(31, 177,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1565, 32.8833, 20.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 177, 111) }
```

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

```
.background{ background-color: rgb(31, 177,  
111) }
```

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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