

Converting Colors

XYZ(19.1076, 34.9390, 16.3577)

Have a look what the booklet for
XYZ(19.1076, 34.9390, 16.3577)
contains.

XYZ(19.1859, 35.1020, 16.3538)	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(19.1859, 35.1020,
16.3538)**

Conversions

Conversions Part 1

Format	Color
Hex	02B85E
RGB	2, 184, 94
RGB Percent	1%, 72%, 37%
CMY	0.9921, 0.2784, 0.6314
CMYK	0.99, 0.00, 0.49, 0.28
HSL	150°, 98%, 36%
HSV	150°, 99%, 72%
XYZ	19.1859, 35.1020, 16.3538
YIQ	119.3220, -79.5820, -66.5740

Conversions

Conversions Part 2

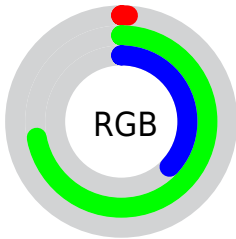
Format	Color
RYB	2, 123, 184
Decimal	178270
CIELab	65.83, -59.40, 34.77
CIELCh	66, 68.831, 149.658
Yxy	35.1020, 0.2716, 0.4969
Android (android.graphics.Color)	4278368350 (0xFF02B85E)
YUV	119.3220, -12.4837, -102.8914
Hunter-Lab	59.2469, -45.8786, 25.1072

Details

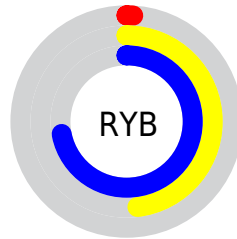
The XYZ color **19.1859, 35.1020, 16.3538** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.7220, 11.0073, 11.1076**, and the grayscale version is **17.6946, 18.6161, 20.2729**.

A 20% lighter version of the original color is **41.4675, 67.4727, 38.0321**, and **8.3239, 15.8900, 5.1110** is the 20% darker color. If you saturate the color by 10%, you get **19.1173, 35.0727, 16.1199**, and if you desaturate by 10%, it is **19.8913, 35.4166, 18.6465**.

Distribution



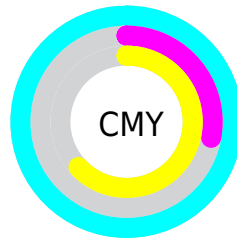
- Red (1%)
- Green (72%)
- Blue (37%)



- Red (1%)
- Yellow (48%)
- Blue (72%)



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (28%)





- Cyan (99%)
- Magenta (28%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1859, 35.1020, 16.3538 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 19.1859, 35.1020, 16.3538 by changing the saturation by 10% instead.


 19.1859, 35.1020,
16.3538


 19.1859, 35.1020,
16.3538


240.3916,
325.0183, 243.3370


 11.9095, 23.7415,
9.6178


 41.5624, 67.6438,
37.9866


 6.7538, 15.1419,
5.0440


 57.3933, 89.5938,
53.7206

 3.3536, 8.9191,
2.2139


 76.8063, 115.8424,
73.2909

 1.3434, 4.6884,
0.6824

 100.1668,
146.7740, 97.1161

 0.2153, 2.0656,
0.0000

 127.8403,
182.7730, 125.6148

 0.0000, 0.6452,
0.0000

 160.1920,

 0.0000, 0.0000,

224.2238, 159.2055

0.0000

197.5873,
271.5108, 198.3067

■ 19.1859, 35.1020,
16.3538

■ 19.1859, 35.1020,
16.3538

■ 19.1173, 35.0727,
16.1199

■ 19.8913, 35.4166,
18.6465

■ 20.9066, 35.8843,
21.2125

■ 22.3102, 36.5462,
24.0643

■ 24.1471, 37.4254,
27.2114

■ 26.4553, 38.5413,
30.6629

■ 29.2687, 39.9113,
34.4274

■ 32.6179, 41.5509,
38.5130

■ 36.5309, 43.4744,
42.9276

■ 41.0338, 45.6953,
47.6787

Harmonies

Analogous

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



24.6015, 35.1020, 7.3054



19.1859, 35.1020, 16.3538



17.3948, 35.1020, 37.8872

Triad

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



19.1859, 35.1020, 16.3538



33.2470, 35.1020, 125.8882



53.3784, 35.1020, 16.6843

Complementary

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



19.1859, 35.1020, 16.3538



21.7220, 11.0073, 11.1076

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.



56.9553, 35.1020, 38.5549



19.1859, 35.1020, 16.3538



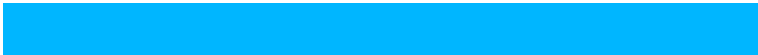
43.9920, 35.1020, 110.3537

Square

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



19.1859, 35.1020, 16.3538



24.4370, 35.1020, 109.6782



53.2191, 35.1020, 74.0154



44.2352, 35.1020, 7.4168

Rectangle

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



19.1859, 35.1020, 16.3538



18.1425, 35.1020, 60.2963



53.2191, 35.1020, 74.0154



55.3452, 35.1020, 22.3211

Sweetspot

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



19.1868, 35.1034, 16.3546



58.0913, 74.8118, 68.5921



21.6670, 36.6142, 5.9830



11.9641, 15.8539, 14.1122



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.1868, 35.1034, 16.3546



34.5329, 63.5281, 28.5831



25.8183, 37.7560, 51.2760



9.0746, 10.1338, 10.5504



13.2108, 24.1853, 11.2979



0.4969, 0.8651, 0.5626

Inverse Universe

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



21.7220, 11.0073, 11.1076



39.1356, 19.7937, 19.0658



19.8007, 10.2388, 0.9904



9.1848, 9.0843, 10.3204



14.9603, 7.5579, 7.6775



0.5587, 0.2789, 0.4353

Previews

White Background



This preview shows how the XYZ color 19.1859, 35.1020, 16.3538 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 19.1859, 35.1020, 16.3538 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 19.1859, 35.1020, 16.3538

Background



This preview shows how black text looks on a background with the XYZ color 19.1859, 35.1020, 16.3538.



This preview shows how white text looks on a background with the XYZ color 19.1859, 35.1020,

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

19.1859, 35.1020, 16.3538

Protanopia

31.7170, 34.5661, 13.5946

Deuteranopia

35.1124, 34.4921, 17.3774



Tritanopia

26.7389, 35.2050, 52.9629

Trichromacy



Original Color

19.1859, 35.1020, 16.3538



Protanomaly

22.4462, 32.1546, 14.2559



Deuteranomaly

23.5536, 31.5893, 16.6603



Tritanomaly

22.8353, 34.7318, 36.0722

Monochromacy



Original Color

19.1859, 35.1020, 16.3538



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.6174, 22.3072, 18.2344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1859, 35.1020, 16.3538 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(2, 184, 94)` looks like.

```
.text, #text, p{  
    color:rgb(2, 184, 94)  
}
```

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(2, 184, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 184, 94) }
```

Border

The CSS property to change the border of an element to XYZ 19.1859, 35.1020, 16.3538 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(2, 184, 94) }
```


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

```
.border{ border-color:rgb(2, 184, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 184, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 184, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 184, 94);  
box-shadow:4px 4px 4px 4px rgb(2, 184, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1859, 35.1020, 16.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 184, 94) }
```

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

```
.background{ background-color: rgb(2, 184,  
94) }
```

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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