

Converting Colors

XYZ(19.6893, 33.5431, 16.4029)

Have a look what the booklet for
XYZ(19.6893, 33.5431, 16.4029)
contains.

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Color

**XYZ(19.7191, 33.5552,
16.5038)**

Conversions

Conversions Part 1

Format	Color
Hex	39B260
RGB	57, 178, 96
RGB Percent	22%, 70%, 38%
CMY	0.7765, 0.3019, 0.6235
CMYK	0.68, 0.00, 0.46, 0.30
HSL	139°, 51%, 46%
HSV	139°, 68%, 70%
XYZ	19.7191, 33.5552, 16.5038
YIQ	132.4730, -45.7940, -51.1540

Conversions

Conversions Part 2

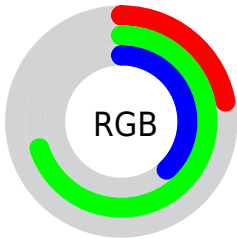
Format	Color
RYB	57, 149, 178
Decimal	3781216
CIELab	64.61, -51.45, 32.34
CIELCh	65, 60.773, 147.846
Yxy	33.5552, 0.2826, 0.4809
Android (android.graphics.Color)	4281971296 (0xFF39B260)
YUV	132.4730, -17.9812, -66.1898
Hunter-Lab	57.9269, -40.6081, 23.6566

Details

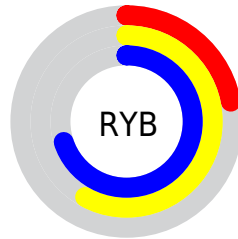
The XYZ color **19.7191, 33.5552, 16.5038** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.4846, 14.2560, 25.8887**, and the grayscale version is **22.1788, 23.3338, 25.4105**.

A 20% lighter version of the original color is **42.5248, 65.4063, 38.4004**, and **7.7207, 14.6205, 5.1044** is the 20% darker color. If you saturate the color by 10%, you get **18.3633, 32.9165, 13.7607**, and if you desaturate by 10%, it is **21.5175, 34.4141, 19.7141**.

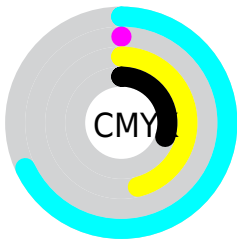
Distribution



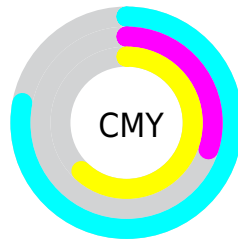
- Red (22%)
- Green (70%)
- Blue (38%)



- Red (22%)
- Yellow (58%)
- Blue (70%)



- Cyan (68%)
- Magenta (0%)
- Yellow (46%)
- Black (30%)





- Cyan (78%)
- Magenta (30%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7191, 33.5552, 16.5038 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 19.7191, 33.5552, 16.5038 by changing the saturation by 10% instead.


 19.7191, 33.5552,
16.5038


 19.7191, 33.5552,
16.5038

243.2530,
318.1441, 244.2428


 12.2981, 22.5521,
9.7232


 42.4533, 65.2414,
38.2495


 7.0207, 14.2631,
5.1126


 58.4972, 86.6932,
54.0517


 3.5215, 8.3039,
2.2536


 78.1461, 112.3968,
73.6981

 1.4352, 4.2900,
0.7050

 101.7653,
142.7365, 97.6073

 0.2811, 1.8371,
0.0000

 129.7203,
178.0967, 126.1978

 0.0000, 0.5101,
0.0000

162.3763,

 0.0000, 0.0000,

218.8617, 159.8882

0.0000

200.0988,
265.4161, 199.0971

■ 19.7191, 33.5552,
16.5038

■ 19.7191, 33.5552,
16.5038

■ 18.3633, 32.9165,
13.7607

■ 21.5175, 34.4141,
19.7141

■ 17.4045, 32.4722,
11.4601

■ 23.7931, 35.5078,
23.4098

■ 16.7768, 32.1896,
9.5780

■ 26.5797, 36.8542,
27.6112

■ 16.6689, 32.1412,
9.2451

■ 29.9073, 38.4685,
32.3366

■ 33.8035, 40.3645,
37.6032

■ 38.2940, 42.5552,
43.4277

■ 43.4028, 45.0525,
49.8260

■ 49.1526, 47.8680,
56.8131

■ 55.5650, 51.0123,
64.4037

Harmonies

Analogous

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



24.6973, 33.5552, 8.4305



19.7191, 33.5552, 16.5038



17.9223, 33.5552, 34.7641

Triad

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



19.7191, 33.5552, 16.5038



31.2684, 33.5552, 108.4090



49.0975, 33.5552, 18.4096

Complementary

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



19.7191, 33.5552, 16.5038



24.4846, 14.2560, 25.8887

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.



51.7104, 33.5552, 38.3670



19.7191, 33.5552, 16.5038



40.3665, 33.5552, 97.4130

Square

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



19.7191, 33.5552, 16.5038



23.7900, 33.5552, 93.9904



48.2637, 33.5552, 68.4403



41.6546, 33.5552, 9.1265

Rectangle

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



19.7191, 33.5552, 16.5038



18.4680, 33.5552, 53.2809



48.2637, 33.5552, 68.4403



50.6231, 33.5552, 23.7278

Sweetspot

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



19.7199, 33.5566, 16.5046



59.5284, 72.3336, 65.8352



27.4221, 37.6857, 9.7000



12.7454, 15.8098, 13.9901



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.7199, 33.5566, 16.5046



32.2692, 59.2100, 22.5858



23.5940, 35.1062, 36.9052



8.4981, 9.5337, 9.6168



11.9522, 23.0069, 6.7513



0.4034, 0.7348, 0.3566

Inverse Universe

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



24.4846, 14.2560, 25.8887



41.4388, 21.7334, 40.3996



21.2422, 12.9591, 8.8144



8.7312, 8.5992, 10.0828



15.6197, 7.7654, 13.6891



0.5167, 0.2544, 0.5638

Previews

White Background



This preview shows how the XYZ color 19.7191, 33.5552, 16.5038 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 19.7191, 33.5552, 16.5038 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 19.7191, 33.5552, 16.5038

Background



This preview shows how black text looks on a background with the XYZ color 19.7191, 33.5552, 16.5038.



This preview shows how white text looks on a background with the XYZ color 19.7191, 33.5552,

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

19.7191, 33.5552, 16.5038

Protanopia

30.4445, 33.1394, 14.0245

Deuteranopia

33.6891, 33.0390, 17.4335



Tritanopia

26.1924, 33.3140, 49.3057

Trichromacy



Original Color

19.7191, 33.5552, 16.5038



Protanomaly

24.3697, 32.0521, 14.7998



Deuteranomaly

25.6863, 31.6372, 16.8094



Tritanomaly

23.2401, 33.2353, 34.4683

Monochromacy



Original Color

19.7191, 33.5552, 16.5038



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.9029, 25.8301, 21.3895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7191, 33.5552, 16.5038 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(57, 178, 96)` looks like.

```
.text, #text, p{  
    color:rgb(57, 178, 96)  
}
```

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(57, 178, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 178, 96) }
```

Border

The CSS property to change the border of an element to XYZ 19.7191, 33.5552, 16.5038 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(57, 178, 96) }
```


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

```
.border{ border-color:rgb(57, 178, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 178, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 178, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 178, 96);  
box-shadow:4px 4px 4px 4px rgb(57, 178,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7191, 33.5552, 16.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 178, 96) }
```

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

```
.background{ background-color: rgb(57, 178,  
96) }
```

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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