

Converting Colors

XYZ(19.7771, 33.5930, 16.1978)

Have a look what the booklet for
XYZ(19.7771, 33.5930, 16.1978)
contains.

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Color

**XYZ(19.7896, 33.5968,
16.2683)**

Conversions

Conversions Part 1

Format	Color
Hex	3BB25F
RGB	59, 178, 95
RGB Percent	23%, 70%, 37%
CMY	0.7686, 0.3019, 0.6274
CMYK	0.67, 0.00, 0.47, 0.30
HSL	138°, 50%, 46%
HSV	138°, 67%, 70%
XYZ	19.7896, 33.5968, 16.2683
YIQ	132.9570, -44.2810, -51.0410

Conversions

Conversions Part 2

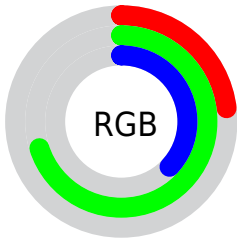
Format	Color
RYB	59, 150, 178
Decimal	3912287
CIELab	64.64, -51.24, 32.91
CIELCh	65, 60.901, 147.290
Yxy	33.5968, 0.2841, 0.4823
Android (android.graphics.Color)	4282102367 (0xFF3BB25F)
YUV	132.9570, -18.7128, -64.8603
Hunter-Lab	57.9627, -40.4915, 23.9331

Details

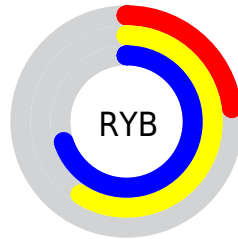
The XYZ color **19.7896, 33.5968, 16.2683** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.8076, 14.5466, 27.0926**, and the grayscale version is **22.3569, 23.5212, 25.6146**.

A 20% lighter version of the original color is **42.7205, 65.5163, 37.9981**, and **7.7008, 14.6126, 4.9994** is the 20% darker color. If you saturate the color by 10%, you get **18.3890, 32.9358, 13.4883**, and if you desaturate by 10%, it is **21.6415, 34.4820, 19.5405**.

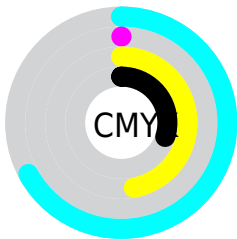
Distribution



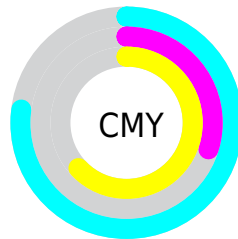
- Red (23%)
- Green (70%)
- Blue (37%)



- Red (23%)
- Yellow (59%)
- Blue (70%)



- Cyan (67%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)





- Cyan (77%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7896, 33.5968, 16.2683 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 19.7896, 33.5968, 16.2683 by changing the saturation by 10% instead.


 19.7896, 33.5968,
16.2683


 19.7896, 33.5968,
16.2683


243.6291,
318.3304, 242.8193


 12.3496, 22.5840,
9.5578

 42.5708, 65.3062,
37.8366


 7.0561, 14.2867,
5.0050

 58.6427, 86.7715,
53.5315

 3.5439, 8.3203,
2.1914


 78.3225, 112.4899,
73.0583

 1.4475, 4.3006,
0.6694

 101.9757,
142.8457, 96.8355

 0.2897, 1.8431,
0.0000

 129.9676,
178.2232, 125.2816

 0.0000, 0.5138,
0.0000

162.6636,

 0.0000, 0.0000,

219.0069, 158.8153

0.0000

200.4290,
265.5812, 197.8550

■ 19.7896, 33.5968,
16.2683

■ 19.7896, 33.5968,
16.2683

■ 18.3890, 32.9358,
13.4883

■ 21.6415, 34.4820,
19.5405

■ 17.3946, 32.4733,
11.1740

■ 23.9792, 35.6057,
23.3250

■ 16.7487, 32.1812,
9.2994

■ 26.8364, 36.9860,
27.6436

■ 16.5833, 32.1070,
8.7948

■ 30.2431, 38.6379,
32.5162

■ 34.2270, 40.5753,
37.9616

■ 38.8138, 42.8110,
43.9976

■ 44.0277, 45.3573,
50.6414

■ 49.8915, 48.2254,
57.9095

■ 56.4269, 51.4262,
65.8175

Harmonies

Analogous

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



24.8387, 33.5968, 8.3332



19.7896, 33.5968, 16.2683



17.9299, 33.5968, 34.3551

Triad

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



19.7896, 33.5968, 16.2683



31.1457, 33.5968, 108.6700



49.2924, 33.5968, 18.6713

Complementary

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



19.7896, 33.5968, 16.2683



24.8076, 14.5466, 27.0926

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.



51.8040, 33.5968, 38.9014



19.7896, 33.5968, 16.2683



40.2632, 33.5968, 98.0880

Square

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



19.7896, 33.5968, 16.2683



23.6942, 33.5968, 93.7664



48.2400, 33.5968, 69.1914



41.8888, 33.5968, 9.2100

Rectangle

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



19.7896, 33.5968, 16.2683



18.4381, 33.5968, 52.8086



48.2400, 33.5968, 69.1914



50.7895, 33.5968, 24.0736

Sweetspot

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



19.7904, 33.5982, 16.2691



59.4210, 72.2906, 65.2694



27.9179, 37.9354, 9.9888



12.7191, 15.7993, 13.8516



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.



19.7904, 33.5982, 16.2691



32.4426, 59.3024, 22.4557



23.5744, 35.1118, 36.1953



8.4913, 9.5310, 9.5808



11.8900, 22.9820, 6.4237



0.4007, 0.7337, 0.3420

Inverse Universe

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



24.8076, 14.5466, 27.0926



42.1136, 22.2806, 43.0983



21.4786, 13.2150, 9.5623



8.7383, 8.6021, 10.1205



15.7757, 7.8278, 14.5107



0.5208, 0.2561, 0.5851

Previews

White Background



This preview shows how the XYZ color 19.7896, 33.5968, 16.2683 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 19.7896, 33.5968, 16.2683 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 19.7896, 33.5968, 16.2683

Background



This preview shows how black text looks on a background with the XYZ color 19.7896, 33.5968, 16.2683.



This preview shows how white text looks on a background with the XYZ color 19.7896, 33.5968,

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

19.7896, 33.5968, 16.2683

Protanopia

30.4034, 33.1230, 13.8078

Deuteranopia

33.6392, 33.0190, 17.1707



Tritanopia

26.3766, 33.4089, 49.3143

Trichromacy



Original Color

19.7896, 33.5968, 16.2683



Protanomaly

24.3268, 32.0349, 14.5741



Deuteranomaly

25.6382, 31.6179, 16.5560



Tritanomaly

23.3181, 33.2848, 34.0498

Monochromacy



Original Color

19.7896, 33.5968, 16.2683



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0211, 25.8910, 21.3950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7896, 33.5968, 16.2683 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(59, 178, 95)` looks like.

```
.text, #text, p{  
    color:rgb(59, 178, 95)  
}
```

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(59, 178, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 178, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.7896, 33.5968, 16.2683 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(59, 178, 95) }
```


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

```
.border{ border-color:rgb(59, 178, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 178, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 178, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 178, 95);  
box-shadow:4px 4px 4px 4px rgb(59, 178,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7896, 33.5968, 16.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 178, 95) }
```

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

```
.background{ background-color: rgb(59, 178,  
95) }
```

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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