

Converting Colors

XYZ(19.5448, 33.6414, 17.8423)

Have a look what the booklet for
XYZ(19.5448, 33.6414, 17.8423)
contains.

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Color

**XYZ(19.5958, 33.7606,
17.7956)**

Conversions

Conversions Part 1

Format	Color
Hex	2EB365
RGB	46, 179, 101
RGB Percent	18%, 70%, 40%
CMY	0.8196, 0.2980, 0.6039
CMYK	0.74, 0.00, 0.44, 0.30
HSL	145°, 59%, 44%
HSV	145°, 74%, 70%
XYZ	19.5958, 33.7606, 17.7956
YIQ	130.3410, -54.2300, -52.4540

Conversions

Conversions Part 2

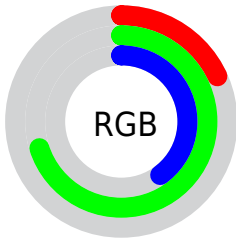
Format	Color
RYB	46, 140, 179
Decimal	3060581
CIELab	64.77, -52.78, 29.91
CIELCh	65, 60.665, 150.456
Yxy	33.7606, 0.2754, 0.4745
Android (android.graphics.Color)	4281250661 (0xFF2EB365)
YUV	130.3410, -14.4651, -73.9671
Hunter-Lab	58.1039, -41.4818, 22.5138

Details

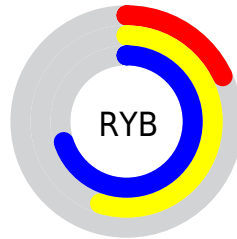
The XYZ color **19.5958, 33.7606, 17.7956** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.2066, 12.9937, 20.3551**, and the grayscale version is **21.4032, 22.5179, 24.5220**.

A 20% lighter version of the original color is **42.3008, 65.6703, 40.5831**, and **7.9534, 14.9152, 5.7085** is the 20% darker color. If you saturate the color by 10%, you get **18.4694, 33.2366, 15.2276**, and if you desaturate by 10%, it is **21.1257, 34.4869, 20.7270**.

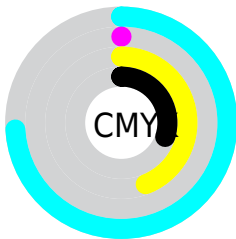
Distribution



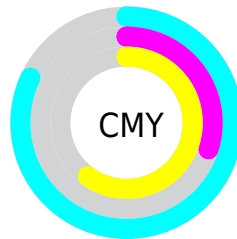
- Red (18%)
- Green (70%)
- Blue (40%)



- Red (18%)
- Yellow (55%)
- Blue (70%)



- Cyan (74%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)



- Cyan (82%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5958, 33.7606, 17.7956 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 19.5958, 33.7606, 17.7956 by changing the saturation by 10% instead.

■ 19.5958, 33.7606,
17.7956

■ 19.5958, 33.7606,
17.7956

242.5939,
319.0633, 251.9137

■ 12.2081, 22.7097,
10.6354

■ 42.2476, 65.5612,
40.4979

■ 6.9588, 14.3793,
5.7112

■ 58.2424, 87.0798,
56.8772

■ 3.4824, 8.3850,
2.6043

■ 77.8370, 112.8563,
77.1665

■ 1.4137, 4.3423,
0.8947

■ 101.3968,
143.2753, 101.7845

■ 0.2660, 1.8668,
0.0000

■ 129.2870,
178.7211, 131.1497

■ 0.0000, 0.5283,
0.0000

161.8730,

■ 0.0000, 0.0000,

219.5781, 165.6806

0.0000

199.5202,
266.2307, 205.7958

■ 19.5958, 33.7606,
17.7956

■ 19.5958, 33.7606,
17.7956

■ 18.4694, 33.2366,
15.2276

■ 21.1257, 34.4869,
20.7270

■ 17.6966, 32.8865,
13.0056

■ 23.0961, 35.4316,
24.0335

■ 17.3575, 32.7361,
11.8864

■ 25.5425, 36.6135,
27.7292

■ 28.4959, 38.0484,
31.8266

■ 31.9844, 39.7505,
36.3376

■ 36.0342, 41.7332,
41.2736

■ 40.6697, 44.0088,
46.6457

■ 45.9136, 46.5888,
52.4642

■ 51.7878, 49.4842,
58.7395

Harmonies

Analogous

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



24.3149, 33.7606, 8.9525



19.5958, 33.7606, 17.7956



18.0679, 33.7606, 37.1434

Triad

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



19.5958, 33.7606, 17.7956



32.2222, 33.7606, 108.7616



48.8285, 33.7606, 17.3903

Complementary

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



19.5958, 33.7606, 17.7956



23.2066, 12.9937, 20.3551

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.



51.9543, 33.7606, 36.3784



19.5958, 33.7606, 17.7956



41.3639, 33.7606, 95.6671

Square

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



19.5958, 33.7606, 17.7956



24.5077, 33.7606, 96.3926



49.0054, 33.7606, 65.8997



41.0905, 33.7606, 8.8042

Rectangle

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



19.5958, 33.7606, 17.7956



18.7984, 33.7606, 56.2348



49.0054, 33.7606, 65.8997



50.5101, 33.7606, 22.3965

Sweetspot

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



19.5967, 33.7620, 17.7964



58.6002, 71.8345, 66.7223



25.1891, 36.8594, 8.3721



12.5803, 15.7181, 14.2792



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.



19.5967, 33.7620, 17.7964



32.1500, 59.1009, 24.7315



24.1033, 35.5646, 41.5280



8.5298, 9.5464, 9.7838



12.2960, 23.1444, 8.5615



0.4162, 0.7400, 0.4239

Inverse Universe

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



23.2066, 12.9937, 20.3551



38.8927, 19.9776, 29.2648



20.3656, 11.8573, 5.3944



8.6984, 8.5861, 9.9101



14.9709, 7.5059, 10.2725



0.4992, 0.2474, 0.4717

Previews

White Background



This preview shows how the XYZ color 19.5958, 33.7606, 17.7956 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 19.5958, 33.7606, 17.7956 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 19.5958, 33.7606, 17.7956

Background



This preview shows how black text looks on a background with the XYZ color 19.5958, 33.7606, 17.7956.



This preview shows how white text looks on a background with the XYZ color 19.5958, 33.7606,

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

19.5958, 33.7606, 17.7956

Protanopia

30.6148, 33.2076, 14.9213

Deuteranopia

33.7039, 33.0167, 18.7838



Tritanopia

26.0639, 33.7880, 49.9478

Trichromacy



Original Color

19.5958, 33.7606, 17.7956



Protanomaly

23.9452, 31.8128, 15.7049



Deuteranomaly

25.1123, 31.3124, 18.0849



Tritanomaly

22.9401, 33.3453, 35.3642

Monochromacy



Original Color

19.5958, 33.7606, 17.7956



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.0653, 25.1644, 21.3051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5958, 33.7606, 17.7956 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(46, 179, 101)` looks like.

```
.text, #text, p{  
    color:rgb(46, 179, 101)  
}
```

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(46, 179, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 179, 101) }
```

Border

The CSS property to change the border of an element to XYZ 19.5958, 33.7606, 17.7956 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(46, 179, 101) }
```


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

```
.border{ border-color:rgb(46, 179, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 179, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 179, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 179, 101);  
box-shadow:4px 4px 4px 4px rgb(46, 179,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5958, 33.7606, 17.7956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 179, 101) }
```

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

```
.background{ background-color: rgb(46, 179,  
101) }
```

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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