

Converting Colors

XYZ(19.9942, 30.5920, 16.0930)

Have a look what the booklet for
XYZ(19.9942, 30.5920, 16.0930)
contains.

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Color

**XYZ(20.0009, 30.5752,
16.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	58A761
RGB	88, 167, 97
RGB Percent	35%, 65%, 38%
CMY	0.6549, 0.3451, 0.6196
CMYK	0.47, 0.00, 0.42, 0.35
HSL	127°, 31%, 50%
HSV	127°, 47%, 65%
XYZ	20.0009, 30.5752, 16.1567
YIQ	135.3990, -24.6140, -38.5180

Conversions

Conversions Part 2

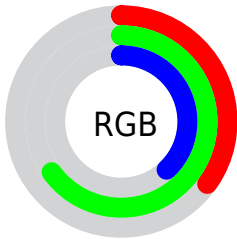
Format	Color
RYB	88, 159, 167
Decimal	5810017
CIELab	62.15, -39.44, 28.85
CIElCh	62, 48.870, 143.813
Yxy	30.5752, 0.2997, 0.4582
Android (android.graphics.Color)	4284000097 (0xFF58A761)
YUV	135.3990, -18.9307, -41.5689
Hunter-Lab	55.2948, -32.2001, 21.3823

Details

The XYZ color **20.0009, 30.5752, 16.1567** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.5986, 17.6642, 34.4092**, and the grayscale version is **23.2529, 24.4638, 26.6411**.

A 20% lighter version of the original color is **42.8883, 60.6643, 37.4659**, and **7.1368, 12.5477, 4.9515** is the 20% darker color. If you saturate the color by 10%, you get **17.9707, 29.6019, 12.7901**, and if you desaturate by 10%, it is **22.5235, 31.7892, 20.2196**.

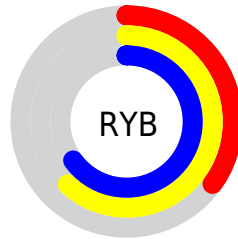
Distribution



Red (35%)

Green (65%)

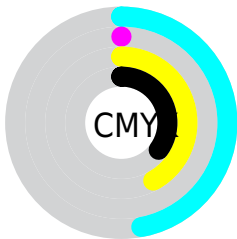
Blue (38%)



Red (35%)

Yellow (62%)

Blue (65%)

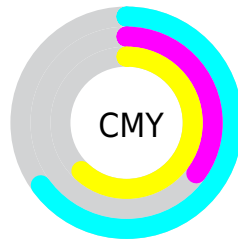


Cyan (47%)

Magenta (0%)

Yellow (42%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0009, 30.5752, 16.1567 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 20.0009, 30.5752, 16.1567 by changing the saturation by 10% instead.

■ 20.0009, 30.5752,
16.1567

■ 20.0009, 30.5752,
16.1567

244.7535,
304.5765, 242.1418

■ 12.5040, 20.2756,
9.4796

■ 42.9226, 60.5706,
37.6406

■ 7.1625, 12.5955,
4.9542

■ 59.0781, 81.0353,
53.2844

■ 3.6112, 7.1506,
2.1622

■ 78.8505, 105.6570,
72.7542

■ 1.4846, 3.5565,
0.6524

■ 102.6052,
134.8203, 96.4686

■ 0.3153, 1.4287,
0.0000

130.7074,
168.9095, 124.8459

■ 0.0000, 0.2377,
0.0000

163.5227,

■ 0.0000, 0.0000,

208.3090, 158.3049

0.0000

201.4162,
253.4032, 197.2640

■ 20.0009, 30.5752,
16.1567

■ 20.0009, 30.5752,
16.1567

■ 17.9707, 29.6019,
12.7901

■ 22.5235, 31.7892,
20.2196

■ 16.3984, 28.8497,
10.0787

■ 25.5654, 33.2545,
25.0126

■ 15.2486, 28.3022,
7.9804


■ 29.1546, 34.9855,
30.5699


■ 14.4796, 27.9390,
6.4474


■ 33.3160, 36.9945,
36.9227

■ 14.0304, 27.7296,
5.4242


■ 38.0734, 39.2930,
44.1007

 13.9371, 27.6857,
5.2266

 43.4488, 41.8919,
52.1321

 49.4634, 44.8016,
61.0435

 56.1373, 48.0317,
70.8606

 63.4897, 51.5917,
81.6079

Harmonies

Analogous

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



24.2472, 30.5752, 9.9311



20.0009, 30.5752, 16.1567



18.2125, 30.5752, 29.5379

Triad

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



20.0009, 30.5752, 16.1567



27.7189, 30.5752, 83.8519



42.2364, 30.5752, 20.7026

Complementary

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



20.0009, 30.5752, 16.1567



25.5986, 17.6642, 34.4092

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.



43.5367, 30.5752, 37.3497



20.0009, 30.5752, 16.1567



34.4728, 30.5752, 78.6451

Square

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



20.0009, 30.5752, 16.1567



22.2143, 30.5752, 71.9218



40.5115, 30.5752, 59.5859



37.1867, 30.5752, 11.7780

Rectangle

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



20.0009, 30.5752, 16.1567



18.4272, 30.5752, 42.7107



40.5115, 30.5752, 59.5859



43.1553, 30.5752, 25.3696

Sweetspot

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



20.0017, 30.5765, 16.1574



54.3759, 63.6985, 58.0654



29.8993, 35.7247, 14.5524



11.8353, 14.0938, 12.4835



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.0017, 30.5765, 16.1574



31.9517, 52.9021, 22.5139



22.2455, 31.4740, 27.9731



7.4702, 8.4211, 8.1963



10.6742, 21.1885, 4.0514



0.2700, 0.5196, 0.1528

Inverse Universe

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



25.5986, 17.6642, 34.4092



43.2138, 26.8740, 59.2061



22.7929, 16.5419, 19.6345



7.8045, 7.6517, 9.2880



16.2948, 7.9266, 22.1615



0.4065, 0.1969, 0.5921

Previews

White Background



This preview shows how the XYZ color 20.0009, 30.5752, 16.1567 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 20.0009, 30.5752, 16.1567 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 20.0009, 30.5752, 16.1567

Background



This preview shows how black text looks on a background with the XYZ color 20.0009, 30.5752, 16.1567.



This preview shows how white text looks on a background with the XYZ color 20.0009, 30.5752,

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

20.0009, 30.5752, 16.1567

Protanopia

27.6972, 30.0196, 14.0074

Deuteranopia

30.6307, 30.0892, 17.0253



Tritanopia

25.2865, 30.3371, 43.0510

Trichromacy



Original Color

20.0009, 30.5752, 16.1567

Protanomaly

24.0176, 29.8015, 14.8423

Deuteranomaly

25.2543, 29.4158, 16.6587

Tritanomaly

22.8159, 30.1000, 30.9929

Monochromacy



Original Color

20.0009, 30.5752, 16.1567

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3561, 26.0995, 22.0013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0009, 30.5752, 16.1567 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(88, 167, 97)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 97)  
}
```

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(88, 167, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.0009, 30.5752, 16.1567 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(88, 167, 97) }
```


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

```
.border{ border-color:rgb(88, 167, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 97);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0009, 30.5752, 16.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 97) }
```

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

```
.background{ background-color: rgb(88, 167,  
97) }
```

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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