

Converting Colors

XYZ(16.8674, 19.7465, 11.2918)

Have a look what the booklet for
XYZ(16.8674, 19.7465, 11.2918)
contains.

XYZ(16.9353, 19.8119, 11.3190)	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(16.9353, 19.8119,
11.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	787F54
RGB	120, 127, 84
RGB Percent	47%, 50%, 33%
CMY	0.5294, 0.5019, 0.6706
CMYK	0.06, 0.00, 0.34, 0.50
HSL	70°, 20%, 41%
HSV	70°, 34%, 50%
XYZ	16.9353, 19.8119, 11.3190
YIQ	120.0050, 9.6310, -14.8570

Conversions

Conversions Part 2

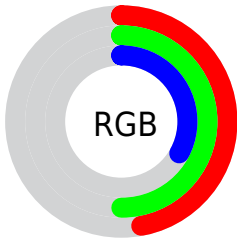
Format	Color
R_{YB}	84, 127, 91
Decimal	7896916
CIE _{Lab}	51.62, -10.13, 22.55
CIE _{LCh}	52, 24.722, 114.182
Yxy	19.8119, 0.3523, 0.4122
Android (android.graphics.Color)	4286086996 (0xFF787F54)
YUV	120.0050, -17.7505, -0.0044
Hunter-Lab	44.5106, -9.9781, 16.0800

Details

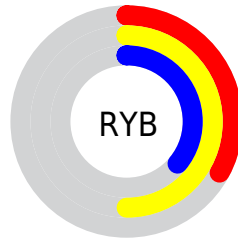
The XYZ color **16.9353, 19.8119, 11.3190** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3163, 10.0976, 21.4324**, and the grayscale version is **17.9074, 18.8400, 20.5168**.

A 20% lighter version of the original color is **37.8579, 43.2480, 28.9066**, and **5.6728, 6.9283, 2.8720** is the 20% darker color. If you saturate the color by 10%, you get **16.1987, 19.4852, 8.9193**, and if you desaturate by 10%, it is **17.7693, 20.1797, 14.1950**.

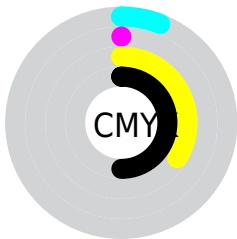
Distribution



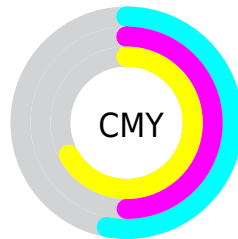
- Red (47%)
- Green (50%)
- Blue (33%)



- Red (33%)
- Yellow (50%)
- Blue (36%)



- Cyan (6%)
- Magenta (0%)
- Yellow (34%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9353, 19.8119, 11.3190 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 16.9353, 19.8119, 11.3190 by changing the saturation by 10% instead.

■ 16.9353, 19.8119,
11.3190

■ 16.9353, 19.8119,
11.3190

227.9628,
250.8950, 210.6586

■ 10.2834, 12.2584,
6.1650

■ 37.7590, 43.1016,
28.8942

■ 5.6510, 6.9199,
2.8752

■ 52.6615, 59.6066,
42.1524

■ 2.6727, 3.4121,
1.0313

■ 71.0449, 79.8641,
58.9491

■ 0.9831, 1.3505,
0.0000

■ 93.2745, 104.2587,
79.7028

■ 0.0000, 0.1798,
0.0000

■ 119.7158,
133.1747, 104.8321

■ 0.0000, 0.0000,
0.0000

150.7340,

166.9965, 134.7554

186.6945,
206.1085, 169.8914

■ 16.9353, 19.8119,
11.3190

■ 16.9353, 19.8119,
11.3190

■ 16.1987, 19.4852,
8.9193

■ 17.7693, 20.1797,
14.1950

■ 15.5532, 19.1949,
6.9688

■ 18.7038, 20.5877,
17.5698

■ 14.9937, 18.9397,
5.4400

■ 19.7435, 21.0385,
21.4659

■ 14.5144, 18.7173,
4.3014

■ 20.8924, 21.5338,
25.9042

■ 14.1085, 18.5250,
3.5175

■ 22.1543, 22.0749,
30.9044

■ 13.7670, 18.3592,
3.0420

■ 23.5328, 22.6635,
36.4852

■ 13.5716, 18.2634,
2.8099

■ 25.0313, 23.3008,
42.6645

■ 26.6532, 23.9881,
49.4594

■ 28.4014, 24.7268,
56.8862

Harmonies

Analogous

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



19.3205, 19.8119, 10.5975



16.9353, 19.8119, 11.3190



15.2065, 19.8119, 14.4966

Triad

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



16.9353, 19.8119, 11.3190



16.1635, 19.8119, 34.7216



24.0108, 19.8119, 22.9929

Complementary

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



16.9353, 19.8119, 11.3190



11.3163, 10.0976, 21.4324

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.



22.9892, 19.8119, 30.6399



16.9353, 19.8119, 11.3190



18.3491, 19.8119, 38.3055

Square

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



16.9353, 19.8119, 11.3190



14.7891, 19.8119, 27.6952



20.8623, 19.8119, 36.6674



23.5485, 19.8119, 16.4248

Rectangle

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



16.9353, 19.8119, 11.3190



14.5866, 19.8119, 18.0434



20.8623, 19.8119, 36.6674



23.8270, 19.8119, 25.5326

Sweetspot

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



16.9358, 19.8128, 11.3194



34.1442, 37.1490, 33.8780



14.0476, 12.5412, 10.0681



7.9436, 8.6757, 7.7437



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.9358, 19.8128, 11.3194



29.2423, 34.9967, 16.7178



14.3414, 18.4753, 11.1980



4.5988, 4.9851, 4.6400



13.6857, 18.4176, 2.8336



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3163, 10.0976, 21.4324



17.4978, 14.6830, 37.8681



13.6775, 11.3149, 21.5429



4.1691, 4.2428, 5.4125



4.1678, 1.7023, 20.3589



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9353, 19.8119, 11.3190 looks on a white background.

Color Contrast Check

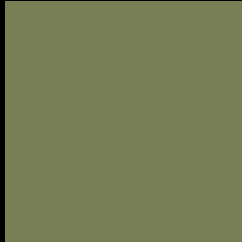
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9353, 19.8119, 11.3190 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9353, 19.8119, 11.3190

Background



This preview shows how black text looks on a background with the XYZ color 16.9353, 19.8119, 11.3190.



This preview shows how white text looks on a background with the XYZ color 16.9353, 19.8119,

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

16.9353, 19.8119, 11.3190

Protanopia

18.2788, 19.7617, 10.8336

Deuteranopia

20.0122, 19.7397, 11.5595



Tritanopia

19.5383, 19.7491, 24.2549

Trichromacy



Original Color

16.9353, 19.8119, 11.3190

Protanomaly

17.6711, 19.6290, 11.0410

Deuteranomaly

18.7936, 19.6490, 11.3964

Tritanomaly

18.4324, 19.6659, 18.7440

Monochromacy



Original Color

16.9353, 19.8119, 11.3190

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4825, 19.2205, 16.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9353, 19.8119, 11.3190 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(120, 127, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 127, 84)  
}
```

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(120, 127, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 127, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.9353, 19.8119, 11.3190 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(120, 127, 84) }
```


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

```
.border{ border-color:rgb(120, 127, 84) }
```

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

Here you see how a box with a 4 pixel rgb(120, 127, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 127, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 127, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 127,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9353, 19.8119, 11.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 127, 84) }
```

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

```
.background{ background-color: rgb(120,  
127, 84) }
```

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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