

Converting Colors

XYZ(11.7851, 16.8524, 6.3191)

Have a look what the booklet for
XYZ(11.7851, 16.8524, 6.3191)
contains.

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Color

**XYZ(11.7937, 16.8840,
6.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	557D38
RGB	85, 125, 56
RGB Percent	33%, 49%, 22%
CMY	0.6667, 0.5098, 0.7804
CMYK	0.32, 0.00, 0.55, 0.51
HSL	95°, 38%, 35%
HSV	95°, 55%, 49%
XYZ	11.7937, 16.8840, 6.3787
YIQ	105.1740, -1.6910, -29.9390

Conversions

Conversions Part 2

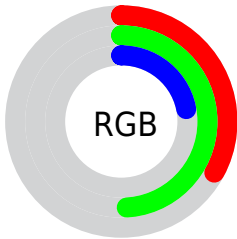
Format	Color
RYB	56, 125, 96
Decimal	5602616
CIELab	48.11, -26.96, 32.86
CIElCh	48, 42.511, 129.368
Yxy	16.8840, 0.3364, 0.4816
Android (android.graphics.Color)	4283792696 (0xFF557D38)
YUV	105.1740, -24.2428, -17.6926
Hunter-Lab	41.0901, -20.6747, 19.5591

Details

The XYZ color **11.7937, 16.8840, 6.3787** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9404, 6.7963, 20.1908**, and the grayscale version is **13.5388, 14.2439, 15.5116**.

A 20% lighter version of the original color is **28.7867, 38.1791, 19.2167**, and **3.3159, 5.5415, 1.0959** is the 20% darker color. If you saturate the color by 10%, you get **10.9009, 16.4553, 4.9357**, and if you desaturate by 10%, it is **12.8311, 17.3795, 8.2278**.

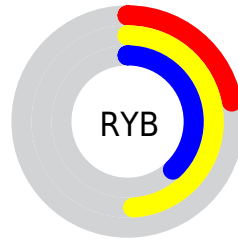
Distribution



Red (33%)

Green (49%)

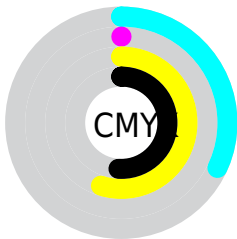
Blue (22%)



Red (22%)

Yellow (49%)

Blue (38%)

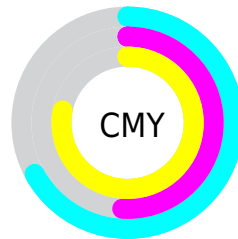


Cyan (32%)

Magenta (0%)

Yellow (55%)

Black (51%)



Cyan (67%)

Magenta (51%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7937, 16.8840, 6.3787 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 11.7937, 16.8840, 6.3787 by changing the saturation by 10% instead.

■ 11.7937, 16.8840,
6.3787

■ 11.7937, 16.8840,
6.3787

196.8326,
234.5030, 171.8266

■ 6.6746, 10.1518,
3.0042

■ 28.7389, 38.1262,
19.2031

■ 3.3039, 5.4997,
1.0968

■ 41.2957, 53.4051,
29.4900

■ 1.3165, 2.5434,
0.0000

■ 57.0625, 72.3016,
42.9182

■ 0.1955, 0.8983,
0.0000

■ 76.4045, 95.2001,
59.9062

■ 0.0000, 0.0000,
0.0000

■ 99.6872, 122.4852,
80.8725

■ 127.2759,

154.5411, 106.2356

159.5359,
191.7522, 136.4141

■ 11.7937, 16.8840,
6.3787

■ 11.7937, 16.8840,
6.3787

■ 10.9009, 16.4553,
4.9357

■ 12.8311, 17.3795,
8.2278

■ 10.1437, 16.0878,
3.8670

■ 14.0189, 17.9426,
10.5094

■ 9.5138, 15.7785,
3.1381

■ 15.3643, 18.5769,
13.2489

■ 8.9984, 15.5222,
2.6941

■ 16.8734, 19.2851,
16.4695

■ 8.7777, 15.4122,
2.5122

■ 18.5520, 20.0698,
20.1928

■ 20.4056, 20.9333,
24.4389

■ 22.4394, 21.8779,
29.2272

■ 24.6584, 22.9058,
34.5758

■ 27.0675, 24.0190,
40.5020

Harmonies

Analogous

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



14.8722, 16.8840, 4.3932



11.7937, 16.8840, 6.3787



10.0668, 16.8840, 11.8773

Triad

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



11.7937, 16.8840, 6.3787



13.5771, 16.8840, 46.2340



24.5199, 16.8840, 15.1430

Complementary

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



11.7937, 16.8840, 6.3787



9.9404, 6.7963, 20.1908

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.



24.0242, 16.8840, 26.9158



11.7937, 16.8840, 6.3787



17.2836, 16.8840, 48.2553

Square

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



11.7937, 16.8840, 6.3787



10.9763, 16.8840, 35.3855



21.2185, 16.8840, 40.1387



22.4809, 16.8840, 7.9454

Rectangle

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



11.7937, 16.8840, 6.3787



9.7231, 16.8840, 18.1508



21.2185, 16.8840, 40.1387



24.6506, 16.8840, 18.6188

Sweetspot

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



11.7941, 16.8847, 6.3791



29.5915, 34.2414, 28.1400



13.2731, 12.8486, 5.5221



6.6323, 7.7424, 6.1885



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.7941, 16.8847, 6.3791



19.1735, 29.2986, 8.3207



9.7965, 15.8413, 6.9002



4.4340, 4.9002, 4.6323



9.1531, 16.0810, 2.6215



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.9404, 6.7963, 20.1908



15.4804, 9.2774, 35.7192



13.2867, 8.5545, 18.8486



4.3289, 4.3251, 5.4200



6.6811, 2.9979, 20.4765



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7937, 16.8840, 6.3787 looks on a white 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

Black Background



This preview shows how the XYZ color 11.7937, 16.8840, 6.3787 looks on a black 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

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

XYZ 11.7937, 16.8840, 6.3787

Background



This preview shows how black text looks on a background with the XYZ color 11.7937, 16.8840, 6.3787.



This preview shows how white text looks on a background with the XYZ color 11.7937, 16.8840,

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

11.7937, 16.8840, 6.3787

Protanopia

15.2641, 16.7273, 5.7923

Deuteranopia

16.8256, 16.5403, 6.5808



Tritanopia

15.1331, 16.9760, 22.5578

Trichromacy



Original Color

11.7937, 16.8840, 6.3787

Protanomaly

13.6998, 16.6027, 5.9726

Deuteranomaly

14.4145, 16.2723, 6.5188

Tritanomaly

13.6000, 16.8896, 14.8552

Monochromacy



Original Color

11.7937, 16.8840, 6.3787

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5515, 14.8731, 11.2261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7937, 16.8840, 6.3787 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(85, 125, 56)` looks like.

```
.text, #text, p{  
    color:rgb(85, 125, 56)  
}
```

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(85, 125, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 125, 56) }
```

Border

The CSS property to change the border of an element to XYZ 11.7937, 16.8840, 6.3787 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(85, 125, 56) }
```


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

```
.border{ border-color:rgb(85, 125, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 125, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 125, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 125, 56);  
box-shadow:4px 4px 4px 4px rgb(85, 125,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7937, 16.8840, 6.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 125, 56) }
```

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

```
.background{ background-color: rgb(85, 125,  
56) }
```

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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