

Converting Colors

XYZ(11.8869, 16.9595, 13.7133)

Have a look what the booklet for
XYZ(11.8869, 16.9595, 13.7133)
contains.

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Color

**XYZ(11.8869, 16.9595,
13.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	437E60
RGB	67, 126, 96
RGB Percent	26%, 49%, 38%
CMY	0.7372, 0.5059, 0.6235
CMYK	0.47, 0.00, 0.24, 0.51
HSL	149°, 31%, 38%
HSV	149°, 47%, 49%
XYZ	11.8869, 16.9595, 13.7133
YIQ	104.9390, -25.5340, -21.8380

Conversions

Conversions Part 2

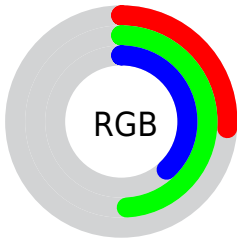
Format	Color
RYB	67, 107, 126
Decimal	4423264
CIELab	48.21, -26.72, 10.45
CIELCh	48, 28.693, 158.633
Yxy	16.9595, 0.2793, 0.3985
Android (android.graphics.Color)	4282613344 (0xFF437E60)
YUV	104.9390, -4.4069, -33.2725
Hunter-Lab	41.1819, -20.5454, 9.0842

Details

The XYZ color **11.8869, 16.9595, 13.7133** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7696, 9.3134, 12.4346**, and the grayscale version is **13.4276, 14.1269, 15.3842**.

A 20% lighter version of the original color is **28.8578, 38.1983, 33.4558**, and **3.3261, 5.4847, 3.9010** is the 20% darker color. If you saturate the color by 10%, you get **10.8323, 16.4490, 12.1865**, and if you desaturate by 10%, it is **13.1544, 17.5779, 15.3763**.

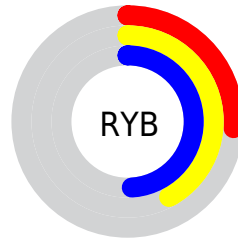
Distribution



Red (26%)

Green (49%)

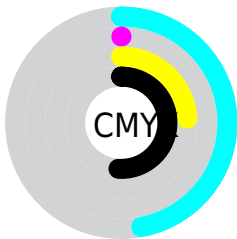
Blue (38%)



Red (26%)

Yellow (42%)

Blue (49%)

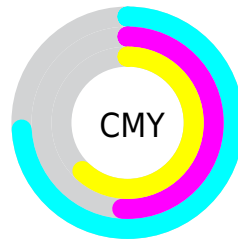


Cyan (47%)

Magenta (0%)

Yellow (24%)

Black (51%)



Cyan (74%)

Magenta (51%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8869, 16.9595, 13.7133 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 11.8869, 16.9595, 13.7133 by changing the saturation by 10% instead.

■ 11.8869, 16.9595,
13.7133

■ 11.8869, 16.9595,
13.7133

197.4403,
234.9389, 226.8060

■ 6.7384, 10.2056,
7.7851

■ 28.9076, 38.2561,
33.2892

■ 3.3439, 5.5355,
3.8719

■ 41.5105, 53.5677,
47.7740

■ 1.3381, 2.5648,
1.5554

■ 57.3288, 72.5005,
65.9480

■ 0.2115, 0.9090,
0.2587

■ 76.7280, 95.4392,
88.2298

■ 0.0000, 0.0000,
0.0000

■ 100.0734,
122.7679, 115.0380

127.7304,

154.8712, 146.7911

160.0642,
192.1334, 183.9075

■ 11.8869, 16.9595,
13.7133

■ 11.8869, 16.9595,
13.7133

■ 10.8323, 16.4490,
12.1865

■ 13.1544, 17.5779,
15.3763

■ 9.9764, 16.0378,
10.7913

■ 14.6454, 18.3082,
17.1778

■ 9.3053, 15.7192,
9.5241


■ 16.3710, 19.1565,
19.1215


■ 8.8025, 15.4847,
8.3811


■ 18.3414, 20.1281,
21.2106


■ 8.4357, 15.3179,
7.3574


■ 20.5662, 21.2278,
23.4481

 8.3288, 15.2693,
7.0559

 23.0543, 22.4602,
25.8369

 25.8143, 23.8296,
28.3801

 28.8545, 25.3402,
31.0803

 32.1825, 26.9960,
33.9402

Harmonies

Analogous

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



13.1877, 16.9595, 9.3676



11.8869, 16.9595, 13.7133



11.6536, 16.9595, 20.7063

Triad

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



11.8869, 16.9595, 13.7133



16.8838, 16.9595, 36.6096



20.3615, 16.9595, 10.8741

Complementary

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



11.8869, 16.9595, 13.7133



12.7696, 9.3134, 12.4346

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.



21.6015, 16.9595, 16.3935



11.8869, 16.9595, 13.7133



19.4565, 16.9595, 32.1060

Square

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



11.8869, 16.9595, 13.7133



14.3611, 16.9595, 35.3243



21.2536, 16.9595, 24.2067



18.0159, 16.9595, 8.0625

Rectangle

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



11.8869, 16.9595, 13.7133



12.1074, 16.9595, 26.2364



21.2536, 16.9595, 24.2067



20.9323, 16.9595, 12.4047

Sweetspot

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



11.8874, 16.9602, 13.7137



29.6407, 34.1249, 34.5511



13.4559, 17.8957, 8.0554



6.6067, 7.6954, 7.7126



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.



11.8874, 16.9602, 13.7137



18.9858, 28.9138, 21.3262



13.4789, 17.5968, 22.0945



4.3573, 4.8512, 5.0525



8.5420, 15.6634, 7.2272



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7696, 9.3134, 12.4346



20.7369, 13.7323, 18.7845



11.6547, 8.8675, 6.5637



4.4119, 4.3779, 4.9734



9.7763, 4.9302, 5.4120



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8869, 16.9595, 13.7133 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 11.8869, 16.9595, 13.7133 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 11.8869, 16.9595, 13.7133

Background



This preview shows how black text looks on a background with the XYZ color 11.8869, 16.9595, 13.7133.



This preview shows how white text looks on a background with the XYZ color 11.8869, 16.9595,

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

11.8869, 16.9595, 13.7133

Protanopia

15.7479, 16.8378, 12.0929

Deuteranopia

17.0821, 16.8178, 14.4024



Tritanopia

13.9146, 16.8499, 23.9917

Trichromacy



Original Color

11.8869, 16.9595, 13.7133

Protanomaly

13.7770, 16.4963, 12.5832

Deuteranomaly

14.5609, 16.5174, 14.2251

Tritanomaly

13.1006, 16.8904, 19.7092

Monochromacy



Original Color

11.8869, 16.9595, 13.7133

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6178, 14.9937, 14.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8869, 16.9595, 13.7133 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(67, 126, 96)` looks like.

```
.text, #text, p{  
    color:rgb(67, 126, 96)  
}
```

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(67, 126, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 126, 96) }
```

Border

The CSS property to change the border of an element to XYZ 11.8869, 16.9595, 13.7133 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(67, 126, 96) }
```


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

```
.border{ border-color:rgb(67, 126, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 126, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 126, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 126, 96);  
box-shadow:4px 4px 4px 4px rgb(67, 126,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8869, 16.9595, 13.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 126, 96) }
```

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

```
.background{ background-color: rgb(67, 126,  
96) }
```

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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