

Converting Colors

XYZ(11.8949, 13.6243, 16.1902)

Have a look what the booklet for
XYZ(11.8949, 13.6243, 16.1902)
contains.

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Color

**XYZ(11.8949, 13.6243,
16.1902)**

Conversions

Conversions Part 1

Format	Color
Hex	576B6C
RGB	87, 107, 108
RGB Percent	34%, 42%, 42%
CMY	0.6588, 0.5804, 0.5765
CMYK	0.19, 0.01, 0.00, 0.58
HSL	183°, 11%, 38%
HSV	183°, 19%, 42%
XYZ	11.8949, 13.6243, 16.1902
YIQ	101.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

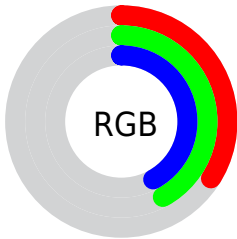
Format	Color
RYB	87, 97, 108
Decimal	5729132
CIELab	43.69, -7.18, -3.04
CIElCh	44, 7.801, 202.966
Yxy	13.6243, 0.2852, 0.3266
Android (android.graphics.Color)	4283919212 (0xFF576B6C)
YUV	101.1340, 3.3849, -12.3955
Hunter-Lab	36.9111, -7.0714, -0.1684

Details

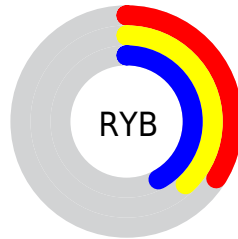
The XYZ color **11.8949, 13.6243, 16.1902** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3944, 10.8557, 10.5118**, and the grayscale version is **12.3983, 13.0440, 14.2049**.

A 20% lighter version of the original color is **28.8014, 32.2753, 37.5126**, and **3.3726, 4.0401, 5.0169** is the 20% darker color. If you saturate the color by 10%, you get **10.9078, 13.0365, 16.1290**, and if you desaturate by 10%, it is **13.0340, 14.2916, 16.2592**.

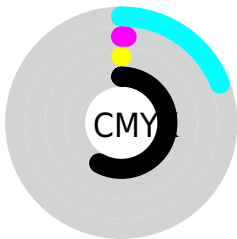
Distribution



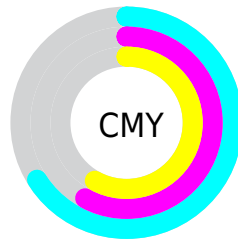
- Red (34%)
- Green (42%)
- Blue (42%)



- Red (34%)
- Yellow (38%)
- Blue (42%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (58%)



- Cyan (66%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8949, 13.6243, 16.1902 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 11.8949, 13.6243, 16.1902 by changing the saturation by 10% instead.

■ 11.8949, 13.6243,
16.1902

■ 11.8949, 13.6243,
16.1902

■ 197.4924,
214.8809, 242.3454

■ 6.7438, 7.8598,
9.5030

■ 28.9221, 32.4209,
37.6995

■ 3.3473, 4.0054,
4.9695

■ 41.5289, 46.2218,
53.3586

■ 1.3400, 1.6766,
2.1709

■ 57.3517, 63.4704,
72.8456

■ 0.2128, 0.4084,
0.6575

■ 76.7557, 84.5509,
96.5788

■ 0.0000, 0.0000,
0.0000

■ 100.1065,
109.8478, 124.9768

127.7693,

139.7455, 158.4582

160.1095,
174.6284, 197.4416

■ 11.8949, 13.6243,
16.1902

■ 11.8949, 13.6243,
16.1902

■ 10.9078, 13.0365,
16.1290

■ 13.0340, 14.2916,
16.2592

■ 10.0649, 12.5232,
16.0743

■ 14.3302, 15.0400,
16.3353

■ 9.3593, 12.0812,
16.0262

■ 15.7897, 15.8731,
16.4192

■ 8.7833, 11.7064,
15.9842

■ 17.4183, 16.7938,
16.5111

■ 8.3282, 11.3944,
15.9480

■ 19.2212, 17.8049,
16.6112

■ 7.9845, 11.1403,
15.9171

■ 21.2035, 18.9089,
16.7198

■ 7.7411, 10.9384,
15.8909

■ 23.3701, 20.1084,
16.8372

■ 7.5540, 10.7660,
15.8675

■ 25.7258, 21.4059,
16.9634

■ 7.5437, 10.7564,
15.8662

■ 28.2751, 22.8036,
17.0989

Harmonies

Analogous

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



11.8152, 13.6243, 14.4253



11.8949, 13.6243, 16.1902



12.2529, 13.6243, 17.6939

Triad

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



11.8949, 13.6243, 16.1902



13.9128, 13.6243, 16.9606



13.0943, 13.6243, 11.7319

Complementary

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



11.8949, 13.6243, 16.1902



11.3944, 10.8557, 10.5118

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.



13.6720, 13.6243, 12.3012



11.8949, 13.6243, 16.1902



14.1541, 13.6243, 15.2515

Square

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



11.8949, 13.6243, 16.1902



13.4146, 13.6243, 18.1626



14.0646, 13.6243, 13.5568



12.4953, 13.6243, 11.9401

Rectangle

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



11.8949, 13.6243, 16.1902



12.6075, 13.6243, 18.2996



14.0646, 13.6243, 13.5568



13.2976, 13.6243, 11.8371

Sweetspot

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



11.8953, 13.6249, 16.1905



23.5982, 25.5054, 28.5870



11.0423, 13.4512, 11.1820



5.6877, 6.1595, 6.9179



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.8953, 13.6249, 16.1905



20.1271, 23.4716, 28.3774



10.8937, 11.6216, 15.8566



3.1701, 3.4685, 3.9373



8.9921, 12.8186, 18.9225



45.6350, 64.9485, 96.3573

Inverse Universe

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



12.2467, 11.0663, 15.4011



20.8586, 18.1765, 26.7265



12.2913, 12.6493, 10.8107



3.2116, 3.1615, 3.8449



10.2857, 4.9664, 15.6648



52.3172, 25.2688, 79.3302

Previews

White Background



This preview shows how the XYZ color 11.8949, 13.6243, 16.1902 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 11.8949, 13.6243, 16.1902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

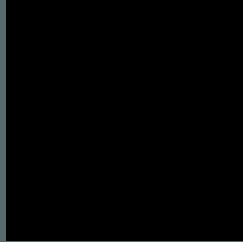
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8949, 13.6243, 16.1902

Background



This preview shows how black text looks on a background with the XYZ color 11.8949, 13.6243, 16.1902.



This preview shows how white text looks on a background with the XYZ color 11.8949, 13.6243,

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

11.8949, 13.6243, 16.1902

Protanopia

13.0101, 13.4657, 15.2780

Deuteranopia

13.7479, 13.5335, 16.3556



Tritanopia

12.2158, 13.5977, 17.9004

Trichromacy



Original Color

11.8949, 13.6243, 16.1902

Protanomaly

12.5888, 13.5379, 15.5852

Deuteranomaly

13.0901, 13.6294, 16.4088

Tritanomaly

12.1032, 13.5526, 17.3072

Monochromacy



Original Color

11.8949, 13.6243, 16.1902

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1728, 13.1868, 15.0004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8949, 13.6243, 16.1902 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(87, 107, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 107, 108)  
}
```

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(87, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 107, 108) }
```

Border

The CSS property to change the border of an element to XYZ 11.8949, 13.6243, 16.1902 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(87, 107, 108) }
```


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

```
.border{ border-color:rgb(87, 107, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 107, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(87, 107,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8949, 13.6243, 16.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 107, 108) }
```

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

```
.background{ background-color: rgb(87, 107,  
108) }
```

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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