

Converting Colors

XYZ(11.9574, 12.8587, 18.1387)

Have a look what the booklet for
XYZ(11.9574, 12.8587, 18.1387)
contains.

XYZ(11.9657, 12.8644, 18.0721)	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(11.9657, 12.8644,
18.0721)**

Conversions

Conversions Part 1

Format	Color
Hex	596673
RGB	89, 102, 115
RGB Percent	35%, 40%, 45%
CMY	0.6510, 0.6000, 0.5490
CMYK	0.23, 0.11, 0.00, 0.55
HSL	210°, 13%, 40%
HSV	210°, 23%, 45%
XYZ	11.9657, 12.8644, 18.0721
YIQ	99.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

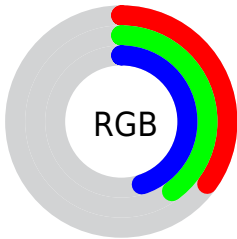
Format	Color
R_{YB}	89, 98, 115
Decimal	5858931
CIE Lab	42.56, -1.81, -8.95
CIE LCh	43, 9.132, 258.551
Yxy	12.8644, 0.2789, 0.2999
Android (android.graphics.Color)	4284049011 (0xFF596673)
YUV	99.5950, 7.5947, -9.2918
Hunter-Lab	35.8670, -3.2172, -4.7672

Details

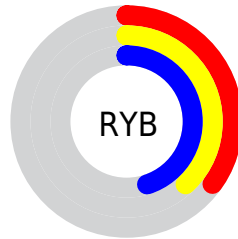
The XYZ color **11.9657, 12.8644, 18.0721** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6249, 13.8689, 11.4103**, and the grayscale version is **11.9939, 12.6185, 13.7416**.

A 20% lighter version of the original color is **29.0137, 31.0615, 41.0255**, and **3.3756, 3.6512, 5.8370** is the 20% darker color. If you saturate the color by 10%, you get **10.4017, 11.2485, 17.8428**, and if you desaturate by 10%, it is **13.7421, 14.6487, 18.3231**.

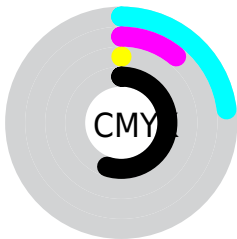
Distribution



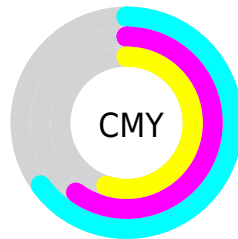
- Red (35%)
- Green (40%)
- Blue (45%)



- Red (35%)
- Yellow (38%)
- Blue (45%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9657, 12.8644, 18.0721 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 11.9657, 12.8644, 18.0721 by changing the saturation by 10% instead.

■ 11.9657, 12.8644,
18.0721

■ 11.9657, 12.8644,
18.0721

197.9526,
210.0468, 253.5269

■ 6.7924, 7.3352,
10.8318

■ 29.0500, 31.0600,
40.9757

■ 3.3778, 3.6726,
5.8411

■ 41.6917, 44.4951,
57.4761

■ 1.3565, 1.4922,
2.6815

■ 57.5536, 61.3345,
77.9003

■ 0.2249, 0.2832,
0.9341

■ 77.0009, 81.9623,
102.6668

■ 0.0000, 0.0000,
0.0000

100.3992,
106.7631, 132.1942

128.1136,

136.1211, 166.9010

160.5097,
170.4209, 207.2057

■ 11.9657, 12.8644,
18.0721

■ 11.9657, 12.8644,
18.0721

■ 10.4017, 11.2485,
17.8428

■ 13.7421, 14.6487,
18.3231

■ 9.0402, 9.7937,
17.6338

■ 15.7380, 16.6051,
18.5955

■ 7.8721, 8.4943,
17.4446

■ 17.9616, 18.7392,
18.8903

■ 6.8872, 7.3440,
17.2744

■ 20.4201, 21.0561,
19.2079

■ 6.0742, 6.3356,
17.1227

■ 23.1207, 23.5603,
19.5489

■ 5.4204, 5.4612,
16.9883

■ 26.0700, 26.2563,
19.9138

■ 4.9104, 4.7115,
16.8705

■ 29.2746, 29.1485,
20.3032

■ 4.5828, 4.2144,
16.7918

■ 32.7406, 32.2409,
20.7174

■ 36.4740, 35.5378,
21.1570

Harmonies

Analogous

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



11.3696, 12.8644, 17.0534



11.9657, 12.8644, 18.0721



12.6543, 12.8644, 17.9281

Triad

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



11.9657, 12.8644, 18.0721



13.5290, 12.8644, 12.8324



11.2593, 12.8644, 11.6389

Complementary

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



11.9657, 12.8644, 18.0721



13.6249, 13.8689, 11.4103

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.



11.8099, 12.8644, 10.7041



11.9657, 12.8644, 18.0721



13.1269, 12.8644, 11.3472

Square

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



11.9657, 12.8644, 18.0721



13.5746, 12.8644, 14.7752



12.4925, 12.8644, 10.6026



10.9721, 12.8644, 13.2662

Rectangle

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



11.9657, 12.8644, 18.0721



13.0731, 12.8644, 17.1946



12.4925, 12.8644, 10.6026



11.4187, 12.8644, 11.2401

Sweetspot

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



11.9661, 12.8649, 18.0724



26.4965, 28.0922, 33.0703



12.6276, 15.3363, 14.7529



6.2868, 6.6682, 7.8847



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.9661, 12.8649, 18.0724



19.9519, 21.5234, 32.1474



10.8231, 10.5790, 17.6914



3.6378, 3.8643, 4.6444



5.2175, 4.7746, 19.1892



24.5685, 21.5537, 93.2257

Inverse Universe

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



13.0412, 11.7492, 14.1514



22.2569, 19.2572, 23.7128



14.9551, 16.5292, 11.8537



3.7532, 3.7286, 4.2272



8.9307, 4.5060, 4.8431



43.0878, 21.7852, 21.3236

Previews

White Background



This preview shows how the XYZ color 11.9657, 12.8644, 18.0721 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 11.9657, 12.8644, 18.0721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

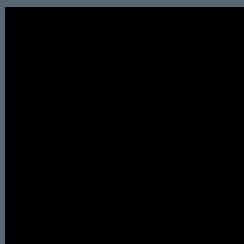
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

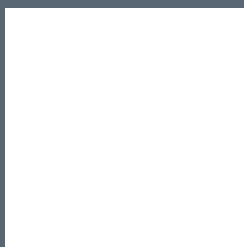
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9657, 12.8644, 18.0721

Background



This preview shows how black text looks on a background with the XYZ color 11.9657, 12.8644, 18.0721.



This preview shows how white text looks on a background with the XYZ color 11.9657, 12.8644,

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

11.9657, 12.8644, 18.0721

Protanopia

12.5748, 12.9033, 17.4506

Deuteranopia

13.1136, 12.8799, 18.3179



Tritanopia

11.7440, 12.9229, 16.9143

Trichromacy



Original Color

11.9657, 12.8644, 18.0721

Protanomaly

12.4103, 12.9552, 17.7661

Deuteranomaly

12.6512, 12.7813, 18.3232

Tritanomaly

11.7994, 12.9451, 17.2060

Monochromacy



Original Color

11.9657, 12.8644, 18.0721

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0274, 12.8141, 15.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9657, 12.8644, 18.0721 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(89, 102, 115) looks like.

```
.text, #text, p{  
    color:rgb(89, 102, 115)  
}
```

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(89, 102, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 102, 115) }
```

Border

The CSS property to change the border of an element to XYZ 11.9657, 12.8644, 18.0721 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(89, 102, 115) }
```


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

```
.border{ border-color:rgb(89, 102, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 102, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 102, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 102, 115);  
box-shadow:4px 4px 4px 4px rgb(89, 102,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9657, 12.8644, 18.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 102, 115) }
```

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

```
.background{ background-color: rgb(89, 102,  
115) }
```

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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