

Converting Colors

XYZ(11.6875, 12.8475, 19.0034)

Have a look what the booklet for
XYZ(11.6875, 12.8475, 19.0034)
contains.

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Color

**XYZ(11.6875, 12.8475,
19.0034)**

Conversions

Conversions Part 1

Format	Color
Hex	536776
RGB	83, 103, 118
RGB Percent	33%, 40%, 46%
CMY	0.6745, 0.5961, 0.5373
CMYK	0.30, 0.13, 0.00, 0.54
HSL	206°, 17%, 39%
HSV	206°, 30%, 46%
XYZ	11.6875, 12.8475, 19.0034
YIQ	98.7300, -16.7350, 0.4250

Conversions

Conversions Part 2

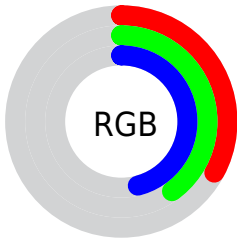
Format	Color
R_{YB}	83, 96, 118
Decimal	5465974
CIE Lab	42.53, -3.66, -10.85
CIE LCh	43, 11.451, 251.364
Yxy	12.8475, 0.2684, 0.2951
Android (android.graphics.Color)	4283656054 (0xFF536776)
YUV	98.7300, 9.5001, -13.7952
Hunter-Lab	35.8434, -4.5223, -6.3439

Details

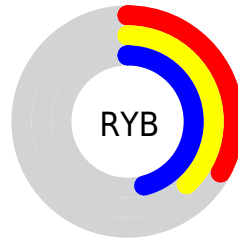
The XYZ color **11.6875, 12.8475, 19.0034** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4003, 13.2114, 10.0276**, and the grayscale version is **11.7720, 12.3851, 13.4874**.

A 20% lighter version of the original color is **28.4842, 31.0000, 42.5125**, and **3.2472, 3.6456, 6.3269** is the 20% darker color. If you saturate the color by 10%, you get **10.2459, 11.3804, 18.7964**, and if you desaturate by 10%, it is **13.3375, 14.4678, 19.2294**.

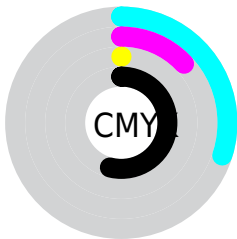
Distribution



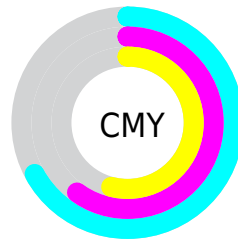
- Red (33%)
- Green (40%)
- Blue (46%)



- Red (33%)
- Yellow (38%)
- Blue (46%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (54%)



- Cyan (67%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6875, 12.8475, 19.0034 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 11.6875, 12.8475, 19.0034 by changing the saturation by 10% instead.

■ 11.6875, 12.8475,
19.0034

■ 11.6875, 12.8475,
19.0034

196.1378,
209.9380, 258.8909

■ 6.6019, 7.3236,
11.4959

■ 28.5465, 31.0295,
42.5766

■ 3.2585, 3.6653,
6.2831

■ 41.0506, 44.4565,
59.4794

■ 1.2919, 1.4882,
2.9464

■ 56.7583, 61.2866,
80.3511

■ 0.1772, 0.2804,
1.0673

■ 76.0349, 81.9042,
105.6101

■ 0.0000, 0.0000,
0.0000

■ 99.2458, 106.6938,
135.6750

126.7564,

136.0397, 170.9645

158.9319,
170.3263, 211.8969

■ 11.6875, 12.8475,
19.0034

■ 11.6875, 12.8475,
19.0034

■ 10.2459, 11.3804,
18.7964

■ 13.3375, 14.4678,
19.2294

■ 9.0021, 10.0593,
18.6070

■ 15.2037, 16.2452,
19.4741

■ 7.9462, 8.8787,
18.4347

■ 17.2946, 18.1852,
19.7384

■ 7.0668, 7.8317,
18.2790

■ 19.6183, 20.2926,
20.0227

■ 6.3512, 6.9111,
18.1390

■ 22.1821, 22.5719,
20.3275

■ 5.7849, 6.1084,
18.0139

■ 24.9932, 25.0276,
20.6533

■ 5.3184, 5.3973,
17.9013

■ 28.0584, 27.6637,
21.0006

■ 5.3031, 5.3741,
17.8976

■ 31.3842, 30.4845,
21.3698

■ 34.9769, 33.4936,
21.7612

Harmonies

Analogous

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



11.0053, 12.8475, 17.3774



11.6875, 12.8475, 19.0034



12.5417, 12.8475, 19.1958

Triad

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



11.6875, 12.8475, 19.0034



13.9149, 12.8475, 13.0713



11.1450, 12.8475, 10.7106

Complementary

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



11.6875, 12.8475, 19.0034



13.4003, 13.2114, 10.0276

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.



11.8865, 12.8475, 9.8204



11.6875, 12.8475, 19.0034



13.5021, 12.8475, 11.0720

Square

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



11.6875, 12.8475, 19.0034



13.8554, 12.8475, 15.5663



12.7502, 12.8475, 9.9444



10.7024, 12.8475, 12.5216

Rectangle

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



11.6875, 12.8475, 19.0034



13.0971, 12.8475, 18.4614



12.7502, 12.8475, 9.9444



11.3661, 12.8475, 10.3039

Sweetspot

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



11.6879, 12.8480, 19.0037



26.8848, 28.7070, 34.2610



12.2309, 15.6701, 13.8326



6.0874, 6.5119, 7.8651



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.



11.6879, 12.8480, 19.0037



18.6807, 20.6973, 33.1474



10.1586, 9.7895, 18.4939



3.6581, 3.9048, 4.6511



5.7246, 5.7889, 19.3582



27.0336, 26.4838, 94.0473

Inverse Universe

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



13.0129, 11.0176, 14.2733



21.4859, 17.0883, 23.0733



15.1730, 16.7568, 10.6185



3.7634, 3.7327, 4.2810



9.1866, 4.6084, 6.1910



44.3321, 22.2829, 27.8757

Previews

White Background



This preview shows how the XYZ color 11.6875, 12.8475, 19.0034 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 11.6875, 12.8475, 19.0034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

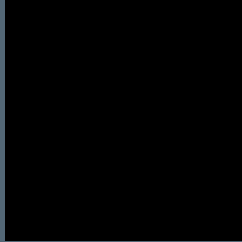
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

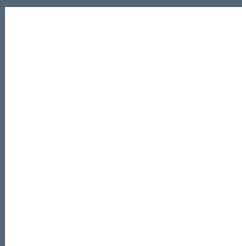
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6875, 12.8475, 19.0034

Background



This preview shows how black text looks on a background with the XYZ color 11.6875, 12.8475, 19.0034.



This preview shows how white text looks on a background with the XYZ color 11.6875, 12.8475,

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

11.6875, 12.8475, 19.0034

Protanopia

12.5440, 12.7260, 18.3182

Deuteranopia

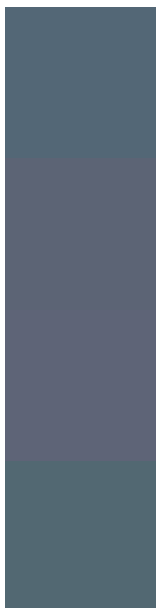
13.0643, 12.8340, 19.2414



Tritanopia

11.3546, 12.8643, 17.2138

Trichromacy



Original Color

11.6875, 12.8475, 19.0034

Protanomaly

12.1817, 12.6740, 18.6339

Deuteranomaly

12.5030, 12.8259, 19.2694

Tritanomaly

11.4673, 12.9094, 17.8070

Monochromacy



Original Color

11.6875, 12.8475, 19.0034

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6729, 12.4821, 15.4297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6875, 12.8475, 19.0034 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(83, 103, 118)` looks like.

```
.text, #text, p{  
    color:rgb(83, 103, 118)  
}
```

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(83, 103, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 103, 118) }
```

Border

The CSS property to change the border of an element to XYZ 11.6875, 12.8475, 19.0034 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(83, 103, 118) }
```


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

```
.border{ border-color:rgb(83, 103, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 103, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 103, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 103, 118);  
box-shadow:4px 4px 4px 4px rgb(83, 103,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6875, 12.8475, 19.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 103, 118) }
```

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

```
.background{ background-color: rgb(83, 103,  
118) }
```

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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