

Converting Colors

XYZ(13.8868, 13.9881, 18.7977)

Have a look what the booklet for
XYZ(13.8868, 13.9881, 18.7977)
contains.

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Color

**XYZ(13.8868, 13.9881,
18.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	696775
RGB	105, 103, 117
RGB Percent	41%, 40%, 46%
CMY	0.5882, 0.5961, 0.5412
CMYK	0.10, 0.12, 0.00, 0.54
HSL	249°, 6%, 43%
HSV	249°, 12%, 46%
XYZ	13.8868, 13.9881, 18.7977
YIQ	105.1940, -3.3020, 4.7780

Conversions

Conversions Part 2

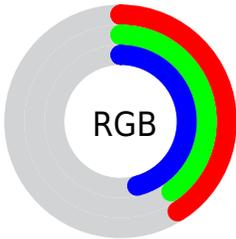
Format	Color
R_{YB}	105, 103, 117
Decimal	6907765
CIE Lab	44.22, 3.79, -7.54
CIE LCh	44, 8.444, 296.697
Yxy	13.9881, 0.2975, 0.2997
Android (android.graphics.Color)	4285097845 (0xFF696775)
YUV	105.1940, 5.8204, -0.1701
Hunter-Lab	37.4007, 0.8256, -3.6189

Details

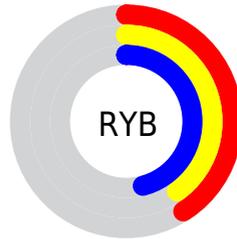
The XYZ color **13.8868, 13.9881, 18.7977** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8803, 17.3471, 15.3440**, and the grayscale version is **13.4655, 14.1668, 15.4276**.

A 20% lighter version of the original color is **32.4273, 33.0437, 42.2051**, and **4.2333, 4.1576, 6.2096** is the 20% darker color. If you saturate the color by 10%, you get **11.6942, 11.2497, 18.3849**, and if you desaturate by 10%, it is **16.3821, 17.1251, 19.2719**.

Distribution



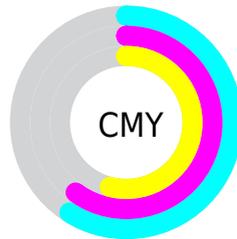
- Red (41%)
- Green (40%)
- Blue (46%)



- Red (41%)
- Yellow (40%)
- Blue (46%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8868, 13.9881, 18.7977 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 13.8868, 13.9881, 18.7977 by changing the saturation by 10% instead.

■ 13.8868, 13.9881,
18.7977

■ 13.8868, 13.9881,
18.7977

210.0502,
217.1568, 257.7151

■ 8.1231, 8.1124,
11.3489

■ 32.4760, 33.0679,
42.2241

■ 4.2263, 4.1669,
6.1849

■ 46.0322, 47.0408,
59.0388

■ 1.8310, 1.7674,
2.8872

■ 62.9167, 64.4815,
79.8125

■ 0.5362, 0.4667,
1.0373

■ 83.4948, 85.7745,
104.9637

■ 0.0000, 0.0000,
0.0000

108.1318,
111.3041, 134.9110

137.1932,

141.4548, 170.0730

171.0442,
176.6109, 210.8682

■ 13.8868, 13.9881,
18.7977

■ 13.8868, 13.9881,
18.7977

■ 11.6942, 11.2497,
18.3849

■ 16.3821, 17.1251,
19.2719

■ 9.7915, 8.8922,
18.0301

■ 19.1897, 20.6738,
19.8089

■ 8.1668, 6.8991,
17.7311

■ 22.3205, 24.6493,
20.4112

■ 6.8070, 5.2521,
17.4848

■ 25.7842, 29.0649,
21.0810

■ 5.6978, 3.9314,
17.2884

■ 29.5904, 33.9338,
21.8201

■ 4.8236, 2.9150,
17.1383

■ 33.7482, 39.2682,
22.6307

■ 4.1670, 2.1781,
17.0307

■ 38.2662, 45.0802,
23.5144

■ 3.7080, 1.6921,
16.9610

■ 43.1530, 51.3812,
24.4730

■ 3.4368, 1.4008,
16.9191

■ 48.4166, 58.1824,
25.5084

Harmonies

Analogous

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



13.2207, 13.9881, 19.2500



13.8868, 13.9881, 18.7977



14.4095, 13.9881, 17.3635

Triad

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



13.8868, 13.9881, 18.7977



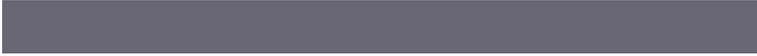
14.0205, 13.9881, 12.3311



12.0415, 13.9881, 15.0176

Complementary

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



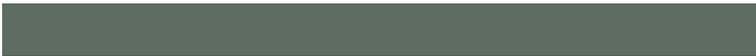
13.8868, 13.9881, 18.7977



15.8803, 17.3471, 15.3440

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.



12.2400, 13.9881, 13.2800



13.8868, 13.9881, 18.7977



13.3702, 13.9881, 11.8138

Square

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



13.8868, 13.9881, 18.7977



14.4885, 13.9881, 13.6213



12.7208, 13.9881, 12.1461



12.1694, 13.9881, 16.9620

Rectangle

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



13.8868, 13.9881, 18.7977



14.5984, 13.9881, 16.1018



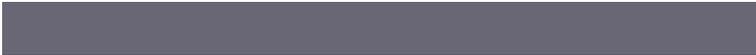
12.7208, 13.9881, 12.1461



12.0721, 13.9881, 14.3915

Sweetspot

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



13.8872, 13.9887, 18.7980



28.3330, 29.4030, 34.3190



14.9508, 16.4602, 19.2190



6.4476, 6.6764, 7.8778



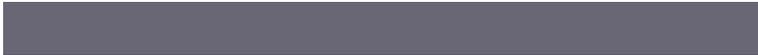
57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.8872, 13.9887, 18.7980



23.8776, 23.8096, 33.4742



14.7268, 14.4215, 18.8373



3.5448, 3.6127, 4.6007



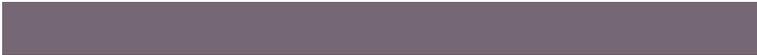
3.7774, 1.5386, 18.6405



17.9557, 7.2650, 90.8162

Inverse Universe

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



15.2814, 14.7208, 18.2565



26.8317, 25.3613, 32.3110



15.0105, 16.8987, 15.3033



3.8052, 3.7494, 4.5012



10.6289, 5.1853, 13.7861



51.5555, 25.1723, 65.9138

Previews

White Background



This preview shows how the XYZ color 13.8868, 13.9881, 18.7977 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 13.8868, 13.9881, 18.7977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

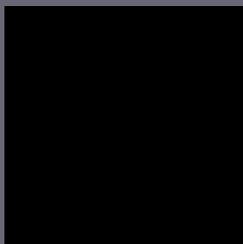
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8868, 13.9881, 18.7977

Background



This preview shows how black text looks on a background with the XYZ color 13.8868, 13.9881, 18.7977.



This preview shows how white text looks on a background with the XYZ color 13.8868, 13.9881,

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

13.8868, 13.9881, 18.7977

Protanopia

13.7547, 14.0685, 18.8202

Deuteranopia

14.2689, 14.0383, 18.7872



Tritanopia

13.5839, 14.0135, 17.3182

Trichromacy



Original Color

13.8868, 13.9881, 18.7977

Protanomaly

13.8701, 14.1280, 18.8256

Deuteranomaly

14.1466, 13.9752, 18.7815

Tritanomaly

13.6965, 14.0586, 17.9113

Monochromacy



Original Color

13.8868, 13.9881, 18.7977

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5363, 14.0080, 16.4584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8868, 13.9881, 18.7977 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(105, 103, 117)` looks like.

```
.text, #text, p{  
    color:rgb(105, 103, 117)  
}
```

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(105, 103, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 103, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.8868, 13.9881, 18.7977 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(105, 103, 117) }
```

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

```
.border{ border-color:rgb(105, 103, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 103, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 103, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 103, 117);  
box-shadow:4px 4px 4px 4px rgb(105, 103,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8868, 13.9881, 18.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 103, 117) }
```

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

```
.background{ background-color: rgb(105,  
103, 117) }
```

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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