

Converting Colors

XYZ(11.5903, 12.7269, 16.8847)

Have a look what the booklet for
XYZ(11.5903, 12.7269, 16.8847)
contains.

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Color

**XYZ(11.5511, 12.6767,
16.8770)**

Conversions

Conversions Part 1

Format	Color
Hex	57666F
RGB	87, 102, 111
RGB Percent	34%, 40%, 44%
CMY	0.6588, 0.6000, 0.5647
CMYK	0.22, 0.08, 0.00, 0.56
HSL	202°, 12%, 39%
HSV	202°, 22%, 44%
XYZ	11.5511, 12.6767, 16.8770
YIQ	98.5410, -11.8290, -0.3810

Conversions

Conversions Part 2

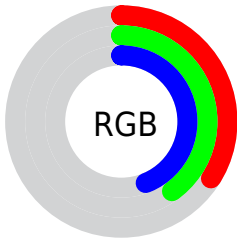
Format	Color
R_{YB}	87, 96, 111
Decimal	5727855
CIE Lab	42.27, -3.51, -6.96
CIE LCh	42, 7.798, 243.272
Yxy	12.6767, 0.2810, 0.3084
Android (android.graphics.Color)	4283917935 (0xFF57666F)
YUV	98.5410, 6.1423, -10.1215
Hunter-Lab	35.6044, -4.3970, -3.1813

Details

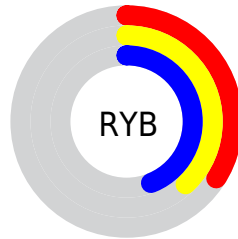
The XYZ color **11.5511, 12.6767, 16.8770** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4588, 12.4334, 10.7603**, and the grayscale version is **11.7320, 12.3430, 13.4415**.

A 20% lighter version of the original color is **28.3186, 30.7452, 39.0922**, and **3.1778, 3.5627, 5.2228** is the 20% darker color. If you saturate the color by 10%, you get **10.1947, 11.3857, 16.6995**, and if you desaturate by 10%, it is **13.0882, 14.0920, 17.0694**.

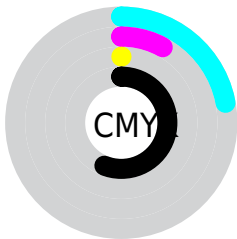
Distribution



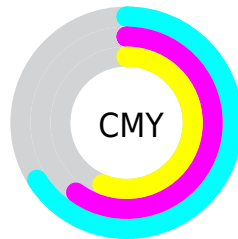
- Red (34%)
- Green (40%)
- Blue (44%)



- Red (34%)
- Yellow (38%)
- Blue (44%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (56%)



- Cyan (66%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5511, 12.6767, 16.8770 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 11.5511, 12.6767, 16.8770 by changing the saturation by 10% instead.

■ 11.5511, 12.6767,
16.8770

■ 11.5511, 12.6767,
16.8770

195.2416,
208.8352, 246.4825

■ 6.5088, 7.2063,
9.9858

■ 28.2988, 30.7217,
38.9019

■ 3.2004, 3.5915,
5.2841

■ 40.7350, 44.0651,
54.8727

■ 1.2606, 1.4478,
2.3532

■ 56.3665, 60.8017,
74.7072

■ 0.1534, 0.2515,
0.7608

■ 75.5587, 81.3158,
98.8237

■ 0.0000, 0.0000,
0.0000

■ 98.6770, 105.9917,
127.6410

126.0866,

135.2140, 161.5776

158.1531,
169.3671, 201.0519

■ 11.5511, 12.6767,
16.8770

■ 11.5511, 12.6767,
16.8770

■ 10.1947, 11.3857,
16.6995

■ 13.0882, 14.0920,
17.0694

■ 9.0103, 10.2131,
16.5356

■ 14.8119, 15.6341,
17.2762

■ 7.9901, 9.1548,
16.3851

■ 16.7294, 17.3074,
17.4981

■ 7.1254, 8.2057,
16.2475

■ 18.8469, 19.1156,
17.7355

■ 6.4064, 7.3605,
16.1222

■ 21.1705, 21.0622,
17.9888

■ 5.8221, 6.6128,
16.0087

■ 23.7060, 23.1506,
18.2582

■ 5.3597, 5.9557,
15.9062

■ 26.4589, 25.3841,
18.5443

■ 5.0210, 5.4511,
15.8267

■ 29.4345, 27.7658,
18.8471

■ 32.6380, 30.2986,
19.1672

Harmonies

Analogous

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



11.1347, 12.6767, 15.6422



11.5511, 12.6767, 16.8770



12.1130, 12.6767, 17.2666

Triad

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



11.5511, 12.6767, 16.8770



13.2043, 12.6767, 13.6201



11.4436, 12.6767, 11.2862

Complementary

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



11.5511, 12.6767, 16.8770



12.4588, 12.4334, 10.7603

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.



11.9849, 12.6767, 10.8362



11.5511, 12.6767, 16.8770



13.0117, 12.6767, 12.1135

Square

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



11.5511, 12.6767, 16.8770



13.0792, 12.6767, 15.2994



12.5606, 12.6767, 11.1266



11.0740, 12.6767, 12.4071

Rectangle

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



11.5511, 12.6767, 16.8770



12.4977, 12.6767, 16.9708



12.5606, 12.6767, 11.1266



11.6108, 12.6767, 11.0557

Sweetspot

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



11.5515, 12.6772, 16.8773



25.0786, 26.7121, 30.7639



11.7173, 14.2362, 13.1487



5.9905, 6.3866, 7.3867



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.5515, 12.6772, 16.8773



19.4093, 21.4969, 30.0561



10.4730, 10.5203, 16.5178



3.3749, 3.6152, 4.2741



5.8913, 6.3729, 18.6412



28.4989, 30.0497, 92.5772

Inverse Universe

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



12.3623, 11.1555, 14.0727



21.1640, 18.3275, 23.9591



13.6176, 14.7509, 11.1465



3.4639, 3.4333, 3.9697



8.9920, 4.4892, 7.0337



44.3649, 22.1913, 32.7834

Previews

White Background



This preview shows how the XYZ color 11.5511, 12.6767, 16.8770 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

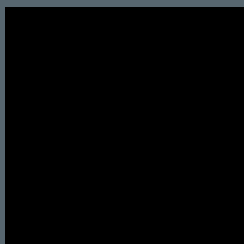
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

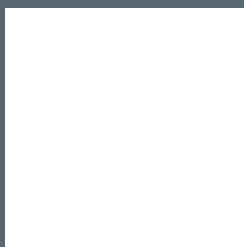
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5511, 12.6767, 16.8770

Background



This preview shows how black text looks on a background with the XYZ color 11.5511, 12.6767, 16.8770.



This preview shows how white text looks on a background with the XYZ color 11.5511, 12.6767,

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

11.5511, 12.6767, 16.8770

Protanopia

12.3677, 12.6805, 16.2637

Deuteranopia

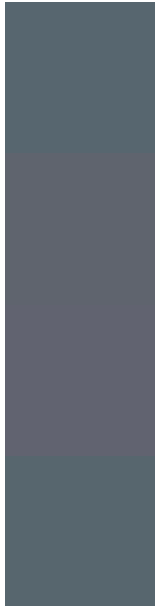
12.7928, 12.6028, 17.0876



Tritanopia

11.4963, 12.6548, 16.5885

Trichromacy



Original Color

11.5511, 12.6767, 16.8770

Protanomaly

12.0910, 12.6730, 16.5607

Deuteranomaly

12.3162, 12.6349, 17.1189

Tritanomaly

11.4963, 12.6548, 16.5885

Monochromacy



Original Color

11.5511, 12.6767, 16.8770

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7247, 12.5265, 14.6319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5511, 12.6767, 16.8770 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, 102, 111)` looks like.

```
.text, #text, p{  
    color:rgb(87, 102, 111)  
}
```

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, 102, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 102, 111) }
```

Border

The CSS property to change the border of an element to XYZ 11.5511, 12.6767, 16.8770 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, 102, 111) }
```


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

```
.border{ border-color:rgb(87, 102, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 102, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 102, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 102, 111);  
box-shadow:4px 4px 4px 4px rgb(87, 102,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5511, 12.6767, 16.8770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 102, 111) }
```

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

```
.background{ background-color: rgb(87, 102,  
111) }
```

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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