

Converting Colors

XYZ(12.0026, 13.6674, 16.7573)

Have a look what the booklet for
XYZ(12.0026, 13.6674, 16.7573)
contains.

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Color

**XYZ(12.0026, 13.6674,
16.7573)**

Conversions

Conversions Part 1

Format	Color
Hex	576B6E
RGB	87, 107, 110
RGB Percent	34%, 42%, 43%
CMY	0.6588, 0.5804, 0.5686
CMYK	0.21, 0.03, 0.00, 0.57
HSL	188°, 12%, 39%
HSV	188°, 21%, 43%
XYZ	12.0026, 13.6674, 16.7573
YIQ	101.3620, -12.8830, -3.3070

Conversions

Conversions Part 2

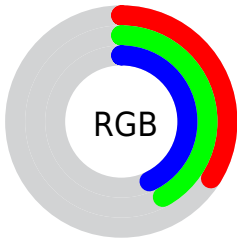
Format	Color
R_{YB}	87, 98, 110
Decimal	5729134
CIE _{Lab}	43.75, -6.70, -4.16
CIE _{LCh}	44, 7.887, 211.822
Yxy	13.6674, 0.2829, 0.3221
Android (android.graphics.Color)	4283919214 (0xFF576B6E)
YUV	101.3620, 4.2585, -12.5955
Hunter-Lab	36.9694, -6.7442, -0.9960

Details

The XYZ color **12.0026, 13.6674, 16.7573** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8069, 11.3153, 10.5788**, and the grayscale version is **12.4553, 13.1039, 14.2701**.

A 20% lighter version of the original color is **29.0650, 32.3807, 38.9006**, and **3.4275, 4.0620, 5.3060** is the 20% darker color. If you saturate the color by 10%, you get **10.9047, 12.8817, 16.6637**, and if you desaturate by 10%, it is **13.2603, 14.5399, 16.8596**.

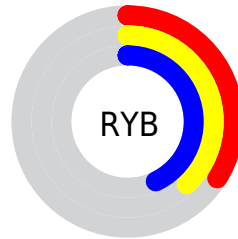
Distribution



Red (34%)

Green (42%)

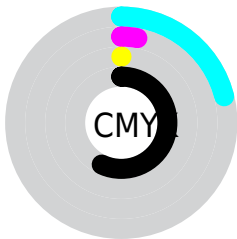
Blue (43%)



Red (34%)

Yellow (38%)

Blue (43%)

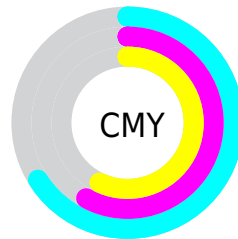


Cyan (21%)

Magenta (3%)

Yellow (0%)

Black (57%)



Cyan (66%)

Magenta (58%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0026, 13.6674, 16.7573 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 12.0026, 13.6674, 16.7573 by changing the saturation by 10% instead.

■ 12.0026, 13.6674,
16.7573

■ 12.0026, 13.6674,
16.7573

198.1921,
215.1518, 245.7663

■ 6.8177, 7.8897,
9.9015

■ 29.1167, 32.4977,
38.6929

■ 3.3936, 4.0245,
5.2289

■ 41.7765, 46.3191,
54.6098

■ 1.3652, 1.6873,
2.3211

■ 57.6587, 63.5905,
74.3842

■ 0.2312, 0.4154,
0.7430

■ 77.1285, 84.6964,
98.4345

■ 0.0000, 0.0000,
0.0000

■ 100.5514,
110.0210, 127.1793

128.2928,

139.9489, 161.0372

160.7179,
174.8643, 200.4267

■ 12.0026, 13.6674,
16.7573

■ 12.0026, 13.6674,
16.7573

■ 10.9047, 12.8817,
16.6637

■ 13.2603, 14.5399,
16.8596

■ 9.9584, 12.1773,
16.5777

■ 14.6832, 15.5010,
16.9702

■ 9.1564, 11.5511,
16.4990

■ 16.2781, 16.5544,
17.0894

■ 8.4904, 10.9986,
16.4275

■ 18.0507, 17.7031,
17.2177

■ 7.9513, 10.5151,
16.3626

■ 20.0068, 18.9502,
17.3553

■ 7.5288, 10.0953,
16.3038

■ 22.1517, 20.2984,
17.5025

■ 7.2111, 9.7331,
16.2507

■ 24.4906, 21.7504,
17.6595

■ 6.9665, 9.4298,
16.2050

■ 27.0284, 23.3088,
17.8265

■ 29.7700, 24.9760,
18.0039

Harmonies

Analogous

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



11.8338, 13.6674, 14.9904



12.0026, 13.6674, 16.7573



12.4350, 13.6674, 18.1020

Triad

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



12.0026, 13.6674, 16.7573



14.0710, 13.6674, 16.5544



12.9526, 13.6674, 11.7202

Complementary

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



12.0026, 13.6674, 16.7573



11.8069, 11.3153, 10.5788

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.



13.5622, 13.6674, 12.0675



12.0026, 13.6674, 16.7573



14.2201, 13.6674, 14.7731

Square

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



12.0026, 13.6674, 16.7573



13.6299, 13.6674, 17.9785



14.0311, 13.6674, 13.1511



12.3713, 13.6674, 12.1622

Rectangle

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



12.0026, 13.6674, 16.7573



12.8214, 13.6674, 18.5273



14.0311, 13.6674, 13.1511



13.1610, 13.6674, 11.7484

Sweetspot

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



12.0030, 13.6680, 16.7576



24.4372, 26.3163, 29.6988



11.3386, 13.9111, 11.6900



5.6614, 6.1069, 6.9091



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.



12.0030, 13.6680, 16.7576



20.1277, 23.3280, 29.3491



10.9113, 11.4845, 16.3937



3.4397, 3.7447, 4.2957



8.3542, 11.2986, 19.4621



41.1697, 55.3913, 96.8008

Inverse Universe

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



12.4927, 11.1931, 15.4126



21.1593, 18.1973, 26.4974



12.8224, 13.3463, 10.9173



3.4966, 3.4464, 4.1419



10.2351, 4.9864, 13.5800



50.7605, 24.7495, 66.4624

Previews

White Background



This preview shows how the XYZ color 12.0026, 13.6674, 16.7573 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 12.0026, 13.6674, 16.7573 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

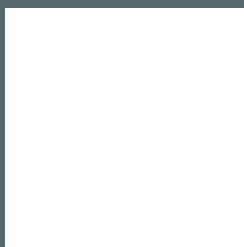
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0026, 13.6674, 16.7573

Background



This preview shows how black text looks on a background with the XYZ color 12.0026, 13.6674, 16.7573.



This preview shows how white text looks on a background with the XYZ color 12.0026, 13.6674,

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

12.0026, 13.6674, 16.7573

Protanopia

13.2130, 13.7051, 15.8589

Deuteranopia

13.7331, 13.5133, 16.9234



Tritanopia

12.2730, 13.6206, 18.2018

Trichromacy



Original Color

12.0026, 13.6674, 16.7573

Protanomaly

12.6941, 13.5800, 16.1395

Deuteranomaly

13.0863, 13.6149, 16.9771

Tritanomaly

12.1592, 13.5750, 17.6022

Monochromacy



Original Color

12.0026, 13.6674, 16.7573

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 12.0026, 13.6674, 16.7573 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(87, 107, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 107, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.0026, 13.6674, 16.7573 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, 110) }
```


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

```
.border{ border-color:rgb(87, 107, 110) }
```

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, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(87, 107,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0026, 13.6674, 16.7573 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, 110) }
```

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

```
.background{ background-color: rgb(87, 107,  
110) }
```

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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