

Converting Colors

XYZ(13.2457, 14.1459, 15.3251)

Have a look what the booklet for
XYZ(13.2457, 14.1459, 15.3251)
contains.

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Color

**XYZ(13.2974, 14.2116,
15.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	676A69
RGB	103, 106, 105
RGB Percent	40%, 42%, 41%
CMY	0.5961, 0.5843, 0.5882
CMYK	0.03, 0.00, 0.01, 0.58
HSL	160°, 1%, 41%
HSV	160°, 3%, 42%
XYZ	13.2974, 14.2116, 15.4069
YIQ	104.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

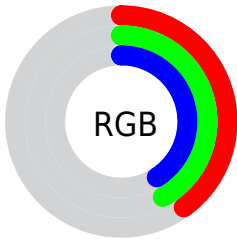
Format	Color
R_{YB}	103, 105, 106
Decimal	6777449
CIE Lab	44.53, -1.36, 0.15
CIE LCh	45, 1.370, 173.665
Yxy	14.2116, 0.3098, 0.3311
Android (android.graphics.Color)	4284967529 (0xFF676A69)
YUV	104.9890, 0.0054, -1.7444
Hunter-Lab	37.6983, -3.0093, 2.1576

Details

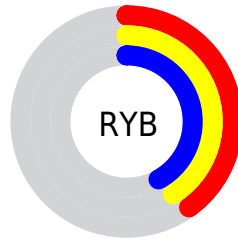
The XYZ color **13.2974, 14.2116, 15.4069** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2934, 13.7646, 15.0537**, and the grayscale version is **13.4249, 14.1241, 15.3811**.

A 20% lighter version of the original color is **31.3841, 33.3843, 36.2422**, and **3.9586, 4.2742, 4.6193** is the 20% darker color. If you saturate the color by 10%, you get **11.9798, 13.5533, 14.4158**, and if you desaturate by 10%, it is **14.7775, 14.9536, 16.4456**.

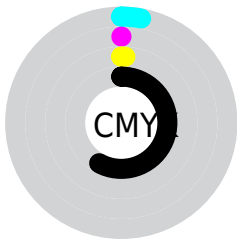
Distribution



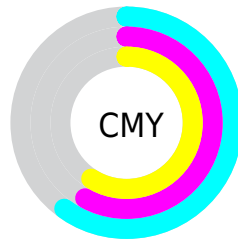
- Red (40%)
- Green (42%)
- Blue (41%)



- Red (40%)
- Yellow (41%)
- Blue (42%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2974, 14.2116, 15.4069 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 13.2974, 14.2116, 15.4069 by changing the saturation by 10% instead.

■ 13.2974, 14.2116,
15.4069

■ 13.2974, 14.2116,
15.4069

206.4143,
218.5433, 237.5411

■ 7.7121, 8.2680,
8.9557

■ 31.4338, 33.4640,
36.3178

■ 3.9615, 4.2669,
4.6159

■ 44.7157, 47.5416,
51.6145

■ 1.6804, 1.8240,
1.9689

■ 61.2937, 65.0993,
70.6968

■ 0.4439, 0.5020,
0.5361

■ 81.5333, 86.5215,
93.9833

■ 0.0000, 0.0000,
0.0000

105.7997,
112.1926, 121.8924

134.4585,

142.4970, 154.8427

167.8749,
177.8191, 193.2527

■ 13.2974, 14.2116,
15.4069

■ 13.2974, 14.2116,
15.4069

■ 11.9798, 13.5533,
14.4158

■ 14.7775, 14.9536,
16.4456

■ 10.8177, 12.9740,
13.4708

■ 16.4246, 15.7803,
17.5319

■ 9.8054, 12.4709,
12.5713

■ 18.2441, 16.6951,
18.6666

■ 8.9361, 12.0408,
11.7166

■ 20.2413, 17.7006,
19.8506

■ 8.2027, 11.6800,
10.9058

■ 22.4209, 18.7991,
21.0843

■ 7.5976, 11.3844,
10.1380

■ 24.7875, 19.9932,
22.3686

■ 7.1120, 11.1496,
9.4124

■ 27.3456, 21.2850,
23.7041

■ 6.7364, 10.9707,
8.7279

■ 30.0996, 22.6769,
25.0913

■ 6.4573, 10.8408,
8.0833

■ 33.0536, 24.1709,
26.5309

Harmonies

Analogous

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



13.3371, 14.2116, 15.1159



13.2974, 14.2116, 15.4069



13.3138, 14.2116, 15.7198

Triad

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



13.2974, 14.2116, 15.4069



13.5933, 14.2116, 16.0387



13.6341, 14.2116, 14.9885

Complementary

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



13.2974, 14.2116, 15.4069



13.2934, 13.7646, 15.0537

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.



13.7035, 14.2116, 15.2308



13.2974, 14.2116, 15.4069



13.6798, 14.2116, 15.8378

Square

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



13.2974, 14.2116, 15.4069



13.4842, 14.2116, 16.0874



13.7202, 14.2116, 15.5413



13.5312, 14.2116, 14.8764

Rectangle

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



13.2974, 14.2116, 15.4069



13.3544, 14.2116, 15.8984



13.7202, 14.2116, 15.5413



13.6621, 14.2116, 15.0572

Sweetspot

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



13.2978, 14.2122, 15.4072



23.7840, 25.1654, 27.3613



13.3175, 14.2341, 14.8778



5.5765, 5.8975, 6.4130



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



13.2978, 14.2122, 15.4072



23.2753, 24.9107, 26.9939



13.3033, 14.1404, 15.6646



3.3230, 3.5666, 3.8616



7.7768, 13.3448, 9.4020



39.2115, 67.8317, 45.7219

Inverse Universe

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



13.2934, 13.7646, 15.0537



23.2668, 24.0568, 26.3195



13.2877, 13.8341, 14.8021



3.3216, 3.4244, 3.7492



7.7452, 3.9502, 2.2867



39.0982, 19.9812, 9.7197

Previews

White Background



This preview shows how the XYZ color 13.2974, 14.2116, 15.4069 looks on a white background.

Color Contrast Check

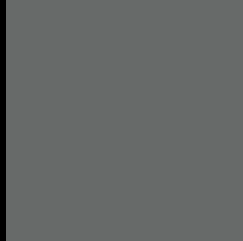
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2974, 14.2116, 15.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

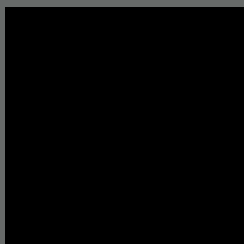
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

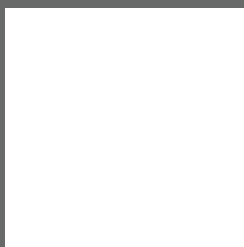
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2974, 14.2116, 15.4069

Background



This preview shows how black text looks on a background with the XYZ color 13.2974, 14.2116, 15.4069.



This preview shows how white text looks on a background with the XYZ color 13.2974, 14.2116,

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

13.2974, 14.2116, 15.4069

Protanopia

13.6137, 14.2284, 15.1255

Deuteranopia

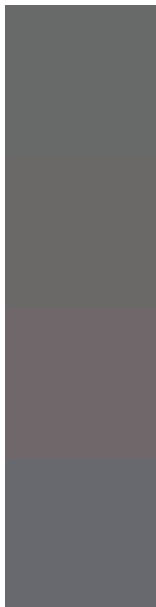
14.4231, 14.1882, 15.6141



Tritanopia

13.7411, 14.2385, 17.6468

Trichromacy



Original Color

13.2974, 14.2116, 15.4069

Protanomaly

13.4941, 14.1668, 15.1200

Deuteranomaly

14.0073, 14.1206, 15.6230

Tritanomaly

13.5750, 14.1720, 16.7718

Monochromacy



Original Color

13.2974, 14.2116, 15.4069

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3103, 14.0661, 15.3781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2974, 14.2116, 15.4069 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(103, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 106, 105)  
}
```

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(103, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 106, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.2974, 14.2116, 15.4069 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(103, 106, 105) }
```


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

```
.border{ border-color:rgb(103, 106, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 106, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 106,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2974, 14.2116, 15.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 106, 105) }
```

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

```
.background{ background-color: rgb(103,  
106, 105) }
```

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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