

Converting Colors

XYZ(13.5191, 14.5956, 16.0591)

Have a look what the booklet for
XYZ(13.5191, 14.5956, 16.0591)
contains.

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Color

**XYZ(13.4959, 14.6114,
16.0189)**

Conversions

Conversions Part 1

Format	Color
Hex	666C6B
RGB	102, 108, 107
RGB Percent	40%, 42%, 42%
CMY	0.6000, 0.5765, 0.5804
CMYK	0.06, 0.00, 0.01, 0.58
HSL	170°, 3%, 41%
HSV	170°, 6%, 42%
XYZ	13.4959, 14.6114, 16.0189
YIQ	106.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

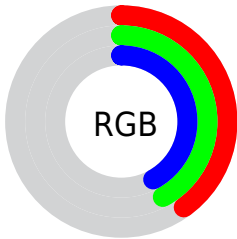
Format	Color
RYB	102, 105, 108
Decimal	6712427
CIELab	45.10, -2.50, -0.24
CIElCh	45, 2.512, 185.512
Yxy	14.6114, 0.3058, 0.3311
Android (android.graphics.Color)	4284902507 (0xFF666C6B)
YUV	106.0920, 0.4476, -3.5887
Hunter-Lab	38.2249, -3.8712, 1.9107

Details

The XYZ color **13.4959, 14.6114, 16.0189** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3844, 13.6706, 14.7659**, and the grayscale version is **13.7246, 14.4393, 15.7244**.

A 20% lighter version of the original color is **31.7066, 34.0372, 37.2465**, and **4.0599, 4.4760, 4.9249** is the 20% darker color. If you saturate the color by 10%, you get **12.2570, 13.9840, 15.4713**, and if you desaturate by 10%, it is **14.8971, 15.3231, 16.5850**.

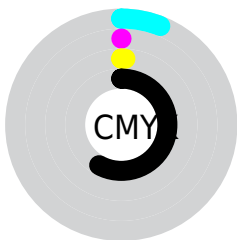
Distribution



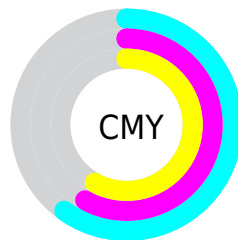
- Red (40%)
- Green (42%)
- Blue (42%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4959, 14.6114, 16.0189 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 13.4959, 14.6114, 16.0189 by changing the saturation by 10% instead.

■ 13.4959, 14.6114,
16.0189

■ 13.4959, 14.6114,
16.0189

207.6458,
221.0019, 241.3027

■ 7.8502, 8.5471,
9.3830

■ 31.7857, 34.1700,
37.3983

■ 4.0503, 4.4470,
4.8916

■ 45.1605, 48.4331,
52.9788

■ 1.7306, 1.9266,
2.1262

■ 61.8424, 66.1980,
72.3780

■ 0.4753, 0.5643,
0.6313

■ 82.1967, 87.8489,
96.0144

■ 0.0000, 0.0000,
0.0000

106.5889,
113.7704, 124.3066

135.3842,

144.3468, 157.6730

168.9481,
179.9625, 196.5322

■ 13.4959, 14.6114,
16.0189

■ 13.4959, 14.6114,
16.0189

■ 12.2570, 13.9840,
15.4713

■ 14.8971, 15.3231,
16.5850

■ 11.1731, 13.4358,
14.9409

■ 16.4651, 16.1201,
17.1690

■ 10.2380, 12.9642,
14.4277

■ 18.2059, 17.0060,
17.7715

■ 9.4448, 12.5654,
13.9313

■ 20.1248, 17.9834,
18.3929

■ 8.7858, 12.2356,
13.4512

■ 22.2267, 19.0550,
19.0334

■ 8.2529, 11.9706,
12.9870

■ 24.5165, 20.2232,
19.6933

■ 7.8368, 11.7656,
12.5382

■ 26.9989, 21.4905,
20.3729

■ 7.5270, 11.6152,
12.1043

■ 29.6783, 22.8590,
21.0725

■ 7.3017, 11.5081,
11.6842

■ 32.5591, 24.3312,
21.7923

Harmonies

Analogous

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



13.5292, 14.6114, 15.4423



13.4959, 14.6114, 16.0189



13.5667, 14.6114, 16.5796

Triad

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



13.4959, 14.6114, 16.0189



14.1198, 14.6114, 16.8538



14.0531, 14.6114, 14.8960

Complementary

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



13.4959, 14.6114, 16.0189



13.3844, 13.6706, 14.7659

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.



14.2137, 14.6114, 15.2574



13.4959, 14.6114, 16.0189



14.2525, 14.6114, 16.3857

Square

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



13.4959, 14.6114, 16.0189



13.9259, 14.6114, 17.0692



14.2870, 14.6114, 15.8003



13.8496, 14.6114, 14.8032

Rectangle

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



13.4959, 14.6114, 16.0189



13.6639, 14.6114, 16.8659



14.2870, 14.6114, 15.8003



14.1139, 14.6114, 14.9896

Sweetspot

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



13.4963, 14.6120, 16.0192



24.5218, 26.0724, 28.4667



13.3663, 14.5745, 14.6794



5.9451, 6.3156, 6.8942



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.



13.4963, 14.6120, 16.0192



23.3189, 25.4622, 27.9632



13.3511, 14.2367, 16.2323



3.2166, 3.5118, 3.8566



8.5879, 13.6693, 13.6730



43.4847, 69.5410, 68.2243

Inverse Universe

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



13.3844, 13.6706, 14.7659



23.0674, 23.3456, 25.1456



13.5234, 14.0284, 14.5657



3.1821, 3.2209, 3.4694



7.4990, 3.8517, 0.9904



37.9841, 19.5356, 3.8532

Previews

White Background



This preview shows how the XYZ color 13.4959, 14.6114, 16.0189 looks on a white background.

Color Contrast Check

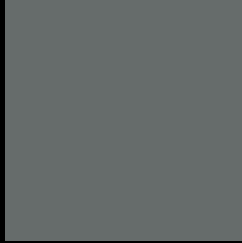
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4959, 14.6114, 16.0189 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

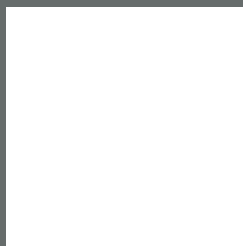
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4959, 14.6114, 16.0189

Background



This preview shows how black text looks on a background with the XYZ color 13.4959, 14.6114, 16.0189.



This preview shows how white text looks on a background with the XYZ color 13.4959, 14.6114,

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

13.4959, 14.6114, 16.0189

Protanopia

14.0622, 14.5999, 15.7126

Deuteranopia

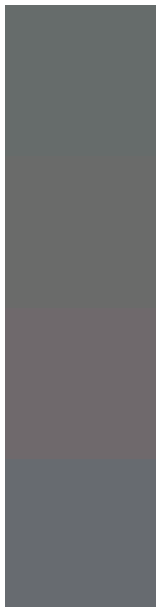
14.7595, 14.4962, 16.2075



Tritanopia

13.9457, 14.6368, 18.3098

Trichromacy



Original Color

13.4959, 14.6114, 16.0189

Protanomaly

13.8031, 14.6202, 15.7301

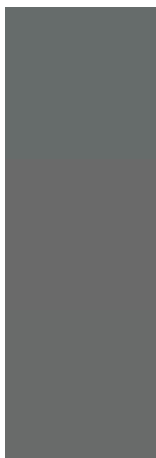
Deuteranomaly

14.3139, 14.5654, 16.2443

Tritanomaly

13.7758, 14.5688, 17.4152

Monochromacy



Original Color

13.4959, 14.6114, 16.0189

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6849, 14.5593, 15.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4959, 14.6114, 16.0189 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(102, 108, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 108, 107)  
}
```

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(102, 108, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 108, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.4959, 14.6114, 16.0189 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(102, 108, 107) }
```


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

```
.border{ border-color:rgb(102, 108, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 108, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 108, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 108, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 108,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4959, 14.6114, 16.0189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 108, 107) }
```

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

```
.background{ background-color: rgb(102,  
108, 107) }
```

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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