

Converting Colors

XYZ(13.9383, 15.5010, 16.7101)

Have a look what the booklet for
XYZ(13.9383, 15.5010, 16.7101)
contains.

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Color

**XYZ(13.9213, 15.4592,
16.7182)**

Conversions

Conversions Part 1

Format	Color
Hex	65706D
RGB	101, 112, 109
RGB Percent	40%, 44%, 43%
CMY	0.6039, 0.5608, 0.5725
CMYK	0.10, 0.00, 0.03, 0.56
HSL	164°, 5%, 42%
HSV	164°, 10%, 44%
XYZ	13.9213, 15.4592, 16.7182
YIQ	108.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

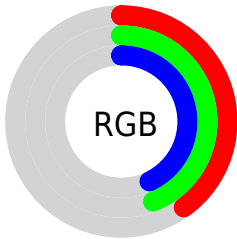
Format	Color
RYB	101, 107, 112
Decimal	6647917
CIELab	46.26, -4.79, 0.24
CIElCh	46, 4.792, 177.089
Yxy	15.4592, 0.3020, 0.3354
Android (android.graphics.Color)	4284837997 (0xFF65706D)
YUV	108.3690, 0.3111, -6.4626
Hunter-Lab	39.3182, -5.6058, 2.3125

Details

The XYZ color **13.9213, 15.4592, 16.7182** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8350, 13.7519, 15.0226**, and the grayscale version is **14.3582, 15.1059, 16.4503**.

A 20% lighter version of the original color is **32.5695, 35.7644, 38.4443**, and **4.2242, 4.7989, 5.2611** is the 20% darker color. If you saturate the color by 10%, you get **12.5902, 14.7921, 15.8122**, and if you desaturate by 10%, it is **15.4300, 16.2180, 17.6630**.

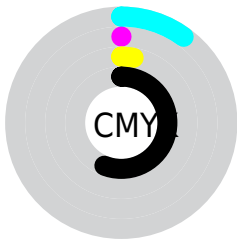
Distribution



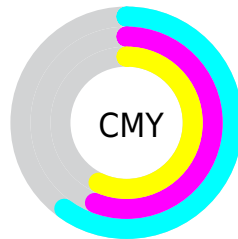
- Red (40%)
- Green (44%)
- Blue (43%)



- Red (40%)
- Yellow (42%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9213, 15.4592, 16.7182 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 13.9213, 15.4592, 16.7182 by changing the saturation by 10% instead.

■ 13.9213, 15.4592,
16.7182

■ 13.9213, 15.4592,
16.7182

210.2611,
226.1291, 245.5319

■ 8.1473, 9.1423,
9.8740

■ 32.5368, 35.6568,
38.6246

■ 4.2419, 4.8341,
5.2110

■ 46.1089, 50.3062,
54.5239

■ 1.8399, 2.1503,
2.3107

■ 63.0111, 68.5020,
74.2785

■ 0.5415, 0.6927,
0.7372

■ 83.6088, 90.6284,
98.3071

■ 0.0000, 0.0000,
0.0000

108.2673,
117.0699, 127.0282

137.3519,

148.2110, 160.8604

171.2281,
184.4359, 200.2221

■ 13.9213, 15.4592,
16.7182

■ 13.9213, 15.4592,
16.7182

■ 12.5902, 14.7921,
15.8122

■ 15.4300, 16.2180,
17.6630

■ 11.4284, 14.2112,
14.9434

■ 17.1214, 17.0700,
18.6462

■ 10.4289, 13.7133,
14.1115

■ 19.0022, 18.0189,
19.6687

■ 9.5838, 13.2944,
13.3157

■ 21.0783, 19.0678,
20.7311

■ 8.8845, 12.9500,
12.5555

■ 23.3554, 20.2196,
21.8339

■ 8.3215, 12.6752,
11.8299

■ 25.8388, 21.4771,
22.9776

■ 7.8840, 12.4645,
11.1382

■ 28.5338, 22.8430,
24.1629

■ 7.5598, 12.3117,
10.4794

■ 31.4453, 24.3198,
25.3901

■ 7.3009, 12.1918,
9.8511

■ 34.5783, 25.9100,
26.6598

Harmonies

Analogous

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



14.0425, 15.4592, 15.6370



13.9213, 15.4592, 16.7182



14.0038, 15.4592, 17.8800

Triad

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



13.9213, 15.4592, 16.7182



15.0549, 15.4592, 18.9203



15.1254, 15.4592, 15.0099

Complementary

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



13.9213, 15.4592, 16.7182



13.8350, 13.7519, 15.0226

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.



15.4055, 15.4592, 15.8266



13.9213, 15.4592, 16.7182



15.3643, 15.4592, 18.0873

Square

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



13.9213, 15.4592, 16.7182



14.6536, 15.4592, 19.1858



15.4938, 15.4592, 16.9472



14.7335, 15.4592, 14.6799

Rectangle

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



13.9213, 15.4592, 16.7182



14.1640, 15.4592, 18.5381



15.4938, 15.4592, 16.9472



15.2360, 15.4592, 15.2347

Sweetspot

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



13.9217, 15.4599, 16.7185



26.2080, 28.0383, 30.4804



13.8661, 15.4787, 14.5689



6.2507, 6.7131, 7.2945



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.



13.9217, 15.4599, 16.7185



23.8445, 26.8509, 28.9660



13.8266, 15.0065, 17.4979



3.4380, 3.8004, 4.1129



8.4248, 14.0874, 11.3239



41.5919, 70.0254, 54.4297

Inverse Universe

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



13.8350, 13.7519, 15.0226



23.6567, 23.1502, 25.2915



13.9200, 14.1617, 14.3119



3.4184, 3.4151, 3.7303



7.9953, 4.0905, 1.7851



39.5092, 20.2490, 7.2136

Previews

White Background



This preview shows how the XYZ color 13.9213, 15.4592, 16.7182 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 13.9213, 15.4592, 16.7182 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

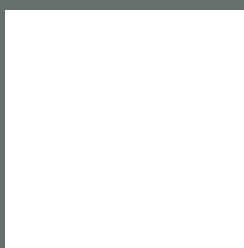
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9213, 15.4592, 16.7182

Background



This preview shows how black text looks on a background with the XYZ color 13.9213, 15.4592, 16.7182.



This preview shows how white text looks on a background with the XYZ color 13.9213, 15.4592,

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

13.9213, 15.4592, 16.7182

Protanopia

14.8046, 15.4436, 16.1105

Deuteranopia

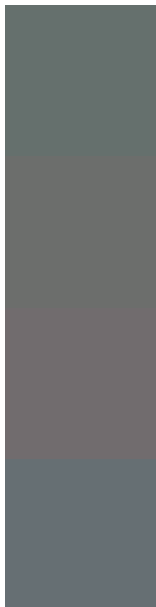
15.7142, 15.4269, 16.9013



Tritanopia

14.4992, 15.3673, 19.6548

Trichromacy



Original Color

13.9213, 15.4592, 16.7182

Protanomaly

14.4670, 15.4227, 16.4017

Deuteranomaly

14.9871, 15.3616, 16.9270

Tritanomaly

14.2584, 15.4315, 18.4467

Monochromacy



Original Color

13.9213, 15.4592, 16.7182

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0011, 15.0232, 16.3492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9213, 15.4592, 16.7182 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(101, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(101, 112, 109)  
}
```

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(101, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 112, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.9213, 15.4592, 16.7182 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(101, 112, 109) }
```


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

```
.border{ border-color:rgb(101, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(101, 112,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9213, 15.4592, 16.7182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 112, 109) }
```

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

```
.background{ background-color: rgb(101,  
112, 109) }
```

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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