

Converting Colors

XYZ(13.4147, 13.9402, 15.9212)

Have a look what the booklet for
XYZ(13.4147, 13.9402, 15.9212)
contains.

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Color

**XYZ(13.4299, 13.9654,
15.8977)**

Conversions

Conversions Part 1

Format	Color
Hex	69686B
RGB	105, 104, 107
RGB Percent	41%, 41%, 42%
CMY	0.5882, 0.5921, 0.5804
CMYK	0.02, 0.03, 0.00, 0.58
HSL	260°, 1%, 41%
HSV	260°, 3%, 42%
XYZ	13.4299, 13.9654, 15.8977
YIQ	104.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

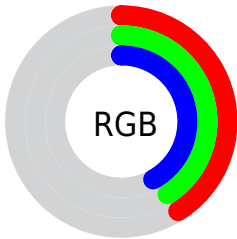
Format	Color
R_{YB}	105, 104, 107
Decimal	6908011
CIE Lab	44.18, 1.01, -1.55
CIE LCh	44, 1.852, 303.179
Yxy	13.9654, 0.3102, 0.3226
Android (android.graphics.Color)	4285098091 (0xFF69686B)
YUV	104.6410, 1.1630, 0.3148
Hunter-Lab	37.3703, -1.2499, 0.9367

Details

The XYZ color **13.4299, 13.9654, 15.8977** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7007, 14.5794, 15.1893**, and the grayscale version is **13.3276, 14.0217, 15.2696**.

A 20% lighter version of the original color is **31.6032, 32.9792, 37.0477**, and **4.0237, 4.1520, 4.8643** is the 20% darker color. If you saturate the color by 10%, you get **11.6174, 11.5327, 15.5239**, and if you desaturate by 10%, it is **15.4502, 16.7090, 16.3210**.

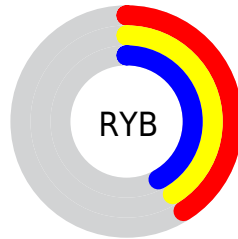
Distribution



Red (41%)

Green (41%)

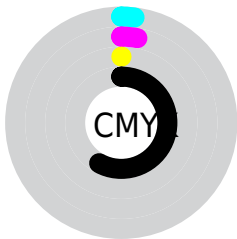
Blue (42%)



Red (41%)

Yellow (41%)

Blue (42%)

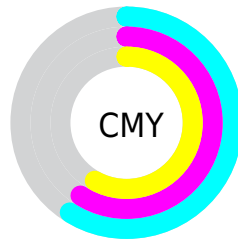


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (58%)



Cyan (59%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4299, 13.9654, 15.8977 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 13.4299, 13.9654, 15.8977 by changing the saturation by 10% instead.

■ 13.4299, 13.9654,
15.8977

■ 13.4299, 13.9654,
15.8977

207.2371,
217.0155, 240.5624

■ 7.8043, 8.0966,
9.2982

■ 31.6688, 33.0276,
37.1848

■ 4.0207, 4.1568,
4.8367

■ 45.0127, 46.9898,
52.7096

■ 1.7139, 1.7617,
2.0947

■ 61.6602, 64.4187,
72.0465

■ 0.4649, 0.4631,
0.6126

■ 81.9765, 85.6985,
95.6141

■ 0.0000, 0.0000,
0.0000

106.3269,
111.2136, 123.8309

135.0770,

141.3486, 157.1156

168.5919,
176.4878, 195.8865

■ 13.4299, 13.9654,
15.8977

■ 13.4299, 13.9654,
15.8977

■ 11.6174, 11.5327,
15.5239

■ 15.4502, 16.7090,
16.3210

■ 10.0047, 9.3979,
15.1968

■ 17.6836, 19.7721,
16.7945

■ 8.5851, 7.5499,
14.9149

■ 20.1367, 23.1654,
17.3202

■ 7.3507, 5.9761,
14.6762

■ 22.8155, 26.8984,
17.8996

■ 6.2935, 4.6631,
14.4785

■ 25.7256, 30.9804,
18.5341

■ 5.4047, 3.5961,
14.3194

■ 28.8726, 35.4201,
19.2252

■ 4.6744, 2.7591,
14.1963

■ 32.2618, 40.2261,
19.9742

■ 4.0920, 2.1338,
14.1063

■ 35.8983, 45.4066,
20.7825

■ 3.6434, 1.6958,
14.0454

■ 39.7870, 50.9696,
21.6513

Harmonies

Analogous

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



13.2895, 13.9654, 16.0335



13.4299, 13.9654, 15.8977



13.5290, 13.9654, 15.5763

Triad

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



13.4299, 13.9654, 15.8977



13.4024, 13.9654, 14.4908



12.9918, 13.9654, 15.2511

Complementary

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



13.4299, 13.9654, 15.8977



13.7007, 14.5794, 15.1893

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.



13.0216, 13.9654, 14.8415



13.4299, 13.9654, 15.8977



13.2579, 13.9654, 14.4073

Square

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



13.4299, 13.9654, 15.8977



13.5131, 13.9654, 14.7647



13.1187, 13.9654, 14.5346



13.0371, 13.9654, 15.6559

Rectangle

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



13.4299, 13.9654, 15.8977



13.5580, 13.9654, 15.3029



13.1187, 13.9654, 14.5346



12.9934, 13.9654, 15.1094

Sweetspot

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



13.4303, 13.9660, 15.8980



24.6627, 25.8380, 28.5951



13.5224, 14.3234, 15.9621



5.9765, 6.2634, 6.9227



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.



13.4303, 13.9660, 15.8980



23.9518, 24.8771, 28.4471



13.6021, 14.0545, 15.9060



3.2795, 3.3989, 3.9181



4.0684, 1.7244, 17.0407



19.8928, 8.3547, 86.7904

Inverse Universe

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



13.6157, 14.0676, 15.6339



24.3166, 25.0771, 27.9267



13.5298, 14.4913, 15.1813



3.3379, 3.4309, 3.8348



8.7595, 4.3559, 7.6278



44.2185, 22.0293, 36.6830

Previews

White Background



This preview shows how the XYZ color 13.4299, 13.9654, 15.8977 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 13.4299, 13.9654, 15.8977 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

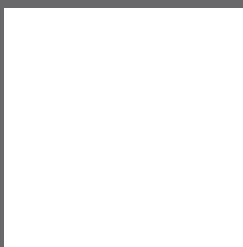
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4299, 13.9654, 15.8977

Background



This preview shows how black text looks on a background with the XYZ color 13.4299, 13.9654, 15.8977.

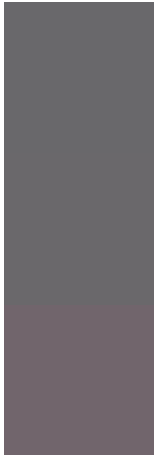


This preview shows how white text looks on a background with the XYZ color 13.4299, 13.9654,

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

13.4299, 13.9654, 15.8977

Protanopia

13.5480, 14.0263, 15.9032

Deuteranopia

14.1705, 13.9008, 16.1236



Tritanopia

13.6633, 13.9124, 17.0041

Trichromacy

**Original Color**

13.4299, 13.9654, 15.8977

Protanomaly

13.5480, 14.0263, 15.9032

Deuteranomaly

13.8886, 13.9004, 16.1384

Tritanomaly

13.6086, 13.8905, 16.7157

Monochromacy

**Original Color**

13.4299, 13.9654, 15.8977

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4788, 14.1470, 15.6559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4299, 13.9654, 15.8977 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(105, 104, 107)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 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(105, 104, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.4299, 13.9654, 15.8977 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(105, 104, 107) }
```


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

```
.border{ border-color:rgb(105, 104, 107) }
```

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

Here you see how a box with a 4 pixel rgb(105, 104, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 107);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4299, 13.9654, 15.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 107) }
```

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

```
.background{ background-color: rgb(105,  
104, 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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