

Converting Colors

XYZ(13.2937, 13.1578, 15.0577)

Have a look what the booklet for
XYZ(13.2937, 13.1578, 15.0577)
contains.

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Color

**XYZ(13.2672, 13.1744,
14.9404)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6368
RGB	109, 99, 104
RGB Percent	43%, 39%, 41%
CMY	0.5725, 0.6118, 0.5922
CMYK	0.00, 0.09, 0.05, 0.57
HSL	330°, 5%, 41%
HSV	330°, 9%, 43%
XYZ	13.2672, 13.1744, 14.9404
YIQ	102.5600, 4.3550, 3.6750

Conversions

Conversions Part 2

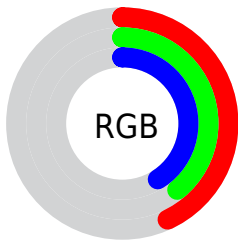
Format	Color
R_{YB}	109, 99, 104
Decimal	7168872
CIE _{Lab}	43.02, 4.95, -1.39
CIE _{LCh}	43, 5.142, 344.321
Yxy	13.1744, 0.3206, 0.3184
Android (android.graphics.Color)	4285358952 (0xFF6D6368)
YUV	102.5600, 0.7099, 5.6479
Hunter-Lab	36.2966, 1.7268, 1.0026

Details

The XYZ color **13.2672, 13.1744, 14.9404** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1134, 14.5897, 15.2223**, and the grayscale version is **12.7738, 13.4390, 14.6351**.

A 20% lighter version of the original color is **31.3199, 31.6528, 35.4692**, and **3.9982, 3.8657, 4.4063** is the 20% darker color. If you saturate the color by 10%, you get **12.0356, 11.1399, 13.2078**, and if you desaturate by 10%, it is **14.6569, 15.4961, 16.8144**.

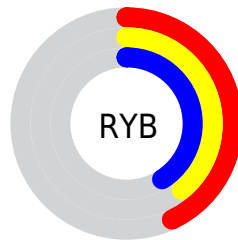
Distribution



Red (43%)

Green (39%)

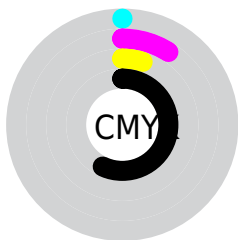
Blue (41%)



Red (43%)

Yellow (39%)

Blue (41%)

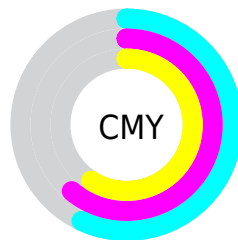


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2672, 13.1744, 14.9404 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 13.2672, 13.1744, 14.9404 by changing the saturation by 10% instead.

■ 13.2672, 13.1744,
14.9404

■ 13.2672, 13.1744,
14.9404

206.2263,
212.0324, 234.6335

■ 7.6911, 7.5487,
8.6314

■ 31.3802, 31.6167,
35.4894

■ 3.9480, 3.8076,
4.4080

■ 44.6479, 45.2022,
50.5665

■ 1.6728, 1.5665,
1.8518

■ 61.2100, 62.2098,
69.4034

■ 0.4391, 0.3349,
0.4618

■ 81.4320, 83.0238,
92.4186

■ 0.0000, 0.0000,
0.0000

105.6793,
108.0287, 120.0307

134.3172,

137.6088, 152.6582

167.7111,
172.1486, 190.7196

■ 13.2672, 13.1744,
14.9404

■ 13.2672, 13.1744,
14.9404

■ 12.0356, 11.1399,
13.2078

■ 14.6569, 15.4961,
16.8144

■ 10.9550, 9.3795,
11.6120

■ 16.2091, 18.1137,
18.8323

■ 10.0196, 7.8819,
10.1496

■ 17.9294, 21.0380,
20.9978

■ 9.2226, 6.6342,
8.8165

■ 19.8230, 24.2785,
23.3140

■ 8.5569, 5.6225,
7.6086

■ 21.8945, 27.8444,
25.7841

■ 8.0143, 4.8314,
6.5213

■ 24.1488, 31.7444,
28.4111

■ 7.5860, 4.2438,
5.5496

■ 26.5901, 35.9871,
31.1978

■ 7.2619, 3.8398,
4.6882

■ 29.2228, 40.5805,
34.1472

■ 7.0047, 3.5461,
3.9225

■ 32.0511, 45.5325,
37.2619

Harmonies

Analogous

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



13.0599, 13.1744, 15.9573



13.2672, 13.1744, 14.9404



13.2720, 13.1744, 13.8135

Triad

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



13.2672, 13.1744, 14.9404



12.3350, 13.1744, 12.3392



11.9865, 13.1744, 15.9182

Complementary

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



13.2672, 13.1744, 14.9404



13.1134, 14.5897, 15.2223

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.



11.8005, 13.1744, 14.8893



13.2672, 13.1744, 14.9404



11.9989, 13.1744, 12.8445

Square

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



13.2672, 13.1744, 14.9404



12.7282, 13.1744, 12.3513



11.8050, 13.1744, 13.7650



12.3178, 13.1744, 16.5417

Rectangle

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



13.2672, 13.1744, 14.9404



13.1595, 13.1744, 13.1533



11.8050, 13.1744, 13.7650



11.9052, 13.1744, 15.6060

Sweetspot

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



13.2676, 13.1750, 14.9407



25.2381, 26.0601, 28.7659



12.9316, 12.9715, 16.2903



5.8327, 5.9970, 6.6398



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.



13.2676, 13.1750, 14.9407



23.2636, 22.7720, 26.0706



13.0211, 13.0764, 13.6428



3.1569, 3.1397, 3.5568



8.1566, 4.1148, 4.4533



41.1229, 20.7911, 20.3819

Inverse Universe

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



13.2676, 13.1750, 14.9407



23.2636, 22.7720, 26.0706



13.3749, 14.6943, 16.5994



3.1569, 3.1397, 3.5568



8.1566, 4.1148, 4.4533



41.1229, 20.7911, 20.3819

Previews

White Background



This preview shows how the XYZ color 13.2672, 13.1744, 14.9404 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 13.2672, 13.1744, 14.9404 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 13.2672, 13.1744, 14.9404

Background



This preview shows how black text looks on a background with the XYZ color 13.2672, 13.1744, 14.9404.



This preview shows how white text looks on a background with the XYZ color 13.2672, 13.1744,

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

13.2672, 13.1744, 14.9404

Protanopia

12.6830, 13.1521, 15.2347

Deuteranopia

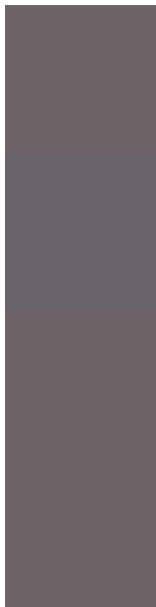
13.3909, 13.2382, 14.9461



Tritanopia

13.3700, 13.2155, 15.4818

Trichromacy



Original Color

13.2672, 13.1744, 14.9404

Protanomaly

12.9327, 13.1375, 15.2188

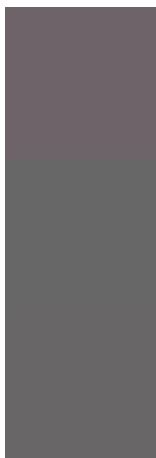
Deuteranomaly

13.3909, 13.2382, 14.9461

Tritanomaly

13.3183, 13.1948, 15.2095

Monochromacy



Original Color

13.2672, 13.1744, 14.9404

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0253, 13.4853, 14.7484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2672, 13.1744, 14.9404 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(109, 99, 104)` looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 104)  
}
```

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(109, 99, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.2672, 13.1744, 14.9404 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(109, 99, 104) }
```


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

```
.border{ border-color:rgb(109, 99, 104) }
```

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

Here you see how a box with a 4 pixel rgb(109, 99, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 104);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2672, 13.1744, 14.9404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 104) }
```

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

```
.background{ background-color: rgb(109, 99,  
104) }
```

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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