

Converting Colors

XYZ(12.9369, 13.0649, 14.6607)

Have a look what the booklet for
XYZ(12.9369, 13.0649, 14.6607)
contains.

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Color

**XYZ(12.8539, 12.9671,
14.6574)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6367
RGB	106, 99, 103
RGB Percent	42%, 39%, 40%
CMY	0.5843, 0.6118, 0.5961
CMYK	0.00, 0.07, 0.03, 0.58
HSL	326°, 3%, 40%
HSV	326°, 7%, 42%
XYZ	12.8539, 12.9671, 14.6574
YIQ	101.5490, 2.8880, 2.7280

Conversions

Conversions Part 2

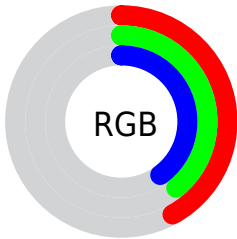
Format	Color
R_{YB}	106, 99, 103
Decimal	6972263
CIE _{Lab}	42.71, 3.57, -1.27
CIE _{LCh}	43, 3.790, 340.409
Yxy	12.9671, 0.3175, 0.3203
Android (android.graphics.Color)	4285162343 (0xFF6A6367)
YUV	101.5490, 0.7153, 3.9035
Hunter-Lab	36.0099, 0.6992, 1.0736

Details

The XYZ color **12.8539, 12.9671, 14.6574** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6984, 13.9204, 14.5887**, and the grayscale version is **12.5098, 13.1613, 14.3326**.

A 20% lighter version of the original color is **30.6437, 31.3139, 35.0009**, and **3.7905, 3.7615, 4.2676** is the 20% darker color. If you saturate the color by 10%, you get **11.6931, 11.0004, 13.1756**, and if you desaturate by 10%, it is **14.1597, 15.2036, 16.2490**.

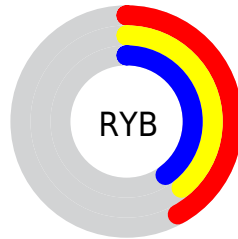
Distribution



Red (42%)

Green (39%)

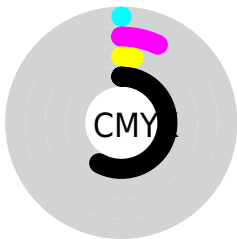
Blue (40%)



Red (42%)

Yellow (39%)

Blue (40%)

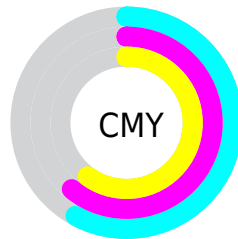


Cyan (0%)

Magenta (7%)

Yellow (3%)

Black (58%)



Cyan (58%)

Magenta (61%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8539, 12.9671, 14.6574 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 12.8539, 12.9671, 14.6574 by changing the saturation by 10% instead.

■ 12.8539, 12.9671,
14.6574

■ 12.8539, 12.9671,
14.6574

203.6358,
210.7067, 232.8520

■ 7.4043, 7.4059,
8.4354

■ 30.6446, 31.2447,
34.9848

■ 3.7648, 3.7172,
4.2830

■ 43.7165, 44.7298,
49.9272

■ 1.5699, 1.5167,
1.7819

■ 60.0598, 61.6251,
68.6135

■ 0.3727, 0.3004,
0.4159

■ 80.0399, 82.3148,
91.4622

■ 0.0000, 0.0000,
0.0000

104.0222,
107.1835, 118.8919

132.3721,

136.6154, 151.3210

165.4548,
170.9950, 189.1682

■ 12.8539, 12.9671,
14.6574

■ 12.8539, 12.9671,
14.6574

■ 11.6931, 11.0004,
13.1756

■ 14.1597, 15.2036,
16.2490

■ 10.6708, 9.2915,
11.8001

■ 15.6144, 17.7178,
17.9522

■ 9.7818, 7.8301,
10.5282

■ 17.2232, 20.5196,
19.7698

■ 9.0202, 6.6044,
9.3571

■ 18.9905, 23.6178,
21.7041

■ 8.3794, 5.6017,
8.2833

■ 20.9207, 27.0208,
23.7576

7.8522, 4.8082,
7.3036

23.0179, 30.7367,
25.9324

7.4309, 4.2084,
6.4141

25.2864, 34.7733,
28.2309

7.1063, 3.7848,
5.6108

27.7298, 39.1380,
30.6550

6.8554, 3.4913,
4.8848

30.3520, 43.8381,
33.2068

Harmonies

Analogous

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



12.6873, 12.9671, 15.3612



12.8539, 12.9671, 14.6574



12.8775, 12.9671, 13.8344

Triad

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



12.8539, 12.9671, 14.6574



12.2251, 12.9671, 12.6160



11.9080, 12.9671, 15.1721

Complementary

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



12.8539, 12.9671, 14.6574



12.6984, 13.9204, 14.5887

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.



11.7882, 12.9671, 14.4074



12.8539, 12.9671, 14.6574



11.9694, 12.9671, 12.9456

Square

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



12.8539, 12.9671, 14.6574



12.5114, 12.9671, 12.6770



11.8105, 12.9671, 13.5939



12.1401, 12.9671, 15.6663

Rectangle

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



12.8539, 12.9671, 14.6574



12.8086, 12.9671, 13.3314



11.8105, 12.9671, 13.5939



11.8534, 12.9671, 14.9370

Sweetspot

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



12.8543, 12.9677, 14.6577



23.5690, 24.4830, 26.9700



12.5339, 12.7848, 15.4431



5.5303, 5.7510, 6.3291



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.



12.8543, 12.9677, 14.6577



22.2124, 22.1678, 25.2902



12.6863, 12.9005, 13.7731



3.1654, 3.1430, 3.6013



8.3900, 4.2081, 5.6825



42.3094, 21.2657, 26.6299

Inverse Universe

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



12.8543, 12.9677, 14.6577



22.2124, 22.1678, 25.2902



12.8713, 13.9896, 15.4993



3.1654, 3.1430, 3.6013



8.3900, 4.2081, 5.6825



42.3094, 21.2657, 26.6299

Previews

White Background



This preview shows how the XYZ color 12.8539, 12.9671, 14.6574 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 12.8539, 12.9671, 14.6574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

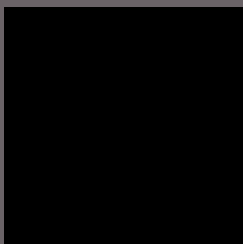
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

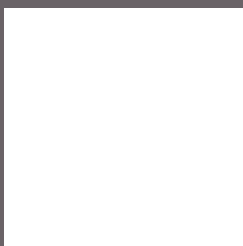
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8539, 12.9671, 14.6574

Background



This preview shows how black text looks on a background with the XYZ color 12.8539, 12.9671, 14.6574.



This preview shows how white text looks on a background with the XYZ color 12.8539, 12.9671,

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

12.8539, 12.9671, 14.6574

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

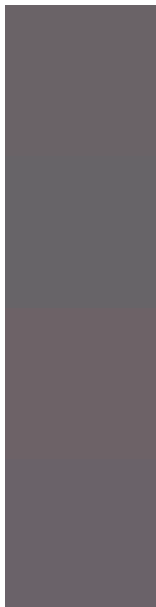
13.2463, 13.0296, 14.6488



Tritanopia

12.9131, 12.8401, 15.4335

Trichromacy



Original Color

12.8539, 12.9671, 14.6574

Protanomaly

12.6494, 12.9974, 14.9388

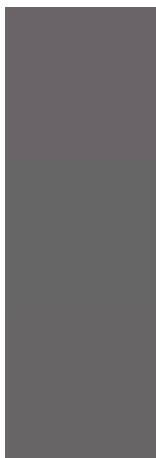
Deuteranomaly

13.1225, 12.9658, 14.6430

Tritanomaly

12.8613, 12.8195, 15.1611

Monochromacy



Original Color

12.8539, 12.9671, 14.6574

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6455, 13.1502, 14.4421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8539, 12.9671, 14.6574 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(106, 99, 103)` looks like.

```
.text, #text, p{  
    color:rgb(106, 99, 103)  
}
```

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(106, 99, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 99, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.8539, 12.9671, 14.6574 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(106, 99, 103) }
```


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

```
.border{ border-color:rgb(106, 99, 103) }
```

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

Here you see how a box with a 4 pixel rgb(106, 99, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 99, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 99, 103);  
box-shadow:4px 4px 4px 4px rgb(106, 99,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8539, 12.9671, 14.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 99, 103) }
```

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

```
.background{ background-color: rgb(106, 99,  
103) }
```

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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