

Converting Colors

XYZ(12.8289, 13.5924, 15.7577)

Have a look what the booklet for
XYZ(12.8289, 13.5924, 15.7577)
contains.

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Color

**XYZ(12.8597, 13.6715,
15.8710)**

Conversions

Conversions Part 1

Format	Color
Hex	64686B
RGB	100, 104, 107
RGB Percent	39%, 41%, 42%
CMY	0.6078, 0.5921, 0.5804
CMYK	0.07, 0.03, 0.00, 0.58
HSL	206°, 3%, 41%
HSV	206°, 7%, 42%
XYZ	12.8597, 13.6715, 15.8710
YIQ	103.1460, -3.3470, 0.0850

Conversions

Conversions Part 2

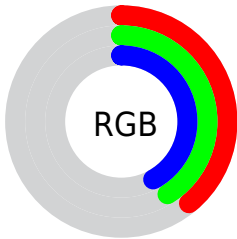
Format	Color
R_{YB}	100, 103, 107
Decimal	6580331
CIE Lab	43.76, -0.89, -2.22
CIE LCh	44, 2.397, 248.130
Yxy	13.6715, 0.3033, 0.3224
Android (android.graphics.Color)	4284770411 (0xFF64686B)
YUV	103.1460, 1.9000, -2.7590
Hunter-Lab	36.9750, -2.6249, 0.4331

Details

The XYZ color **12.8597, 13.6715, 15.8710** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2140, 13.7463, 14.0137**, and the grayscale version is **12.9268, 13.6000, 14.8105**.

A 20% lighter version of the original color is **30.6554, 32.4906, 37.0034**, and **3.7469, 4.0094, 4.8514** is the 20% darker color. If you saturate the color by 10%, you get **11.3043, 12.2037, 15.6699**, and if you desaturate by 10%, it is **14.5964, 15.2708, 16.0884**.

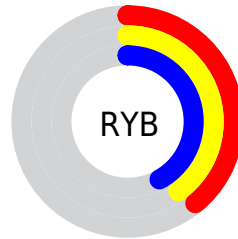
Distribution



Red (39%)

Green (41%)

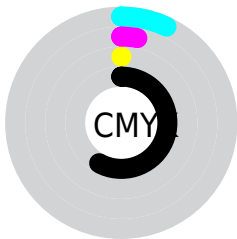
Blue (42%)



Red (39%)

Yellow (40%)

Blue (42%)

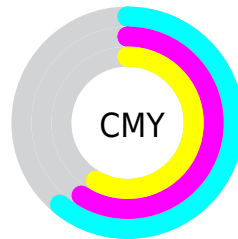


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (58%)



Cyan (61%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8597, 13.6715, 15.8710 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 12.8597, 13.6715, 15.8710 by changing the saturation by 10% instead.

■ 12.8597, 13.6715,
15.8710

■ 12.8597, 13.6715,
15.8710

203.6724,
215.1775, 240.3990

■ 7.4083, 7.8925,
9.2796

■ 30.6550, 32.5050,
37.1378

■ 3.7673, 4.0263,
4.8247

■ 43.7296, 46.3284,
52.6502

■ 1.5714, 1.6883,
2.0878

■ 60.0760, 63.6019,
71.9733

■ 0.3736, 0.4160,
0.6085

■ 80.0595, 84.7102,
95.5257

■ 0.0000, 0.0000,
0.0000

104.0456,
110.0375, 123.7260

132.3995,

139.9682, 156.9926

165.4867,
174.8867, 195.7441

■ 12.8597, 13.6715,
15.8710

■ 12.8597, 13.6715,
15.8710

■ 11.3043, 12.2037,
15.6699

■ 14.5964, 15.2708,
16.0884

■ 9.9227, 10.8617,
15.4837

■ 16.5194, 17.0035,
16.3215

■ 8.7084, 9.6420,
15.3122

■ 18.6347, 18.8738,
16.5710

■ 7.6542, 8.5403,
15.1552

■ 20.9480, 20.8850,
16.8373

■ 6.7522, 7.5519,
15.0119

■ 23.4644, 23.0404,
17.1207

■ 5.9938, 6.6716,
14.8820

■ 26.1891, 25.3431,
17.4215

■ 5.3695, 5.8940,
14.7648

■ 29.1270, 27.7963,
17.7402

■ 4.8685, 5.2127,
14.6597

■ 32.2829, 30.4027,
18.0769

■ 4.4641, 4.6133,
14.5653

■ 35.6612, 33.1653,
18.4321

Harmonies

Analogous

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



12.7111, 13.6715, 15.5366



12.8597, 13.6715, 15.8710



13.0457, 13.6715, 15.9382

Triad

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



12.8597, 13.6715, 15.8710



13.3568, 13.6715, 14.7395



12.7717, 13.6715, 14.0836

Complementary

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



12.8597, 13.6715, 15.8710



13.2140, 13.7463, 14.0137

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.



12.9431, 13.6715, 13.8810



12.8597, 13.6715, 15.8710



13.2818, 13.6715, 14.2537

Square

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



12.8597, 13.6715, 15.8710



13.3339, 13.6715, 15.2763



13.1299, 13.6715, 13.9425



12.6606, 13.6715, 14.5023

Rectangle

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



12.8597, 13.6715, 15.8710



13.1661, 13.6715, 15.8210



13.1299, 13.6715, 13.9425



12.8241, 13.6715, 13.9885

Sweetspot

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



12.8601, 13.6721, 15.8713



24.3814, 25.7362, 28.5902



12.9575, 14.2025, 14.8687



5.9138, 6.2407, 6.9217



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.



12.8601, 13.6721, 15.8713



22.5360, 24.0225, 28.3567



12.5229, 12.9978, 15.7589



3.0785, 3.2854, 3.9068



5.2391, 5.3125, 17.6715



25.8210, 25.3206, 89.7527

Inverse Universe

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



13.1196, 13.2399, 14.9615



23.1161, 23.0674, 26.3201



13.5610, 14.4403, 14.1294



3.1654, 3.1430, 3.6015



8.3913, 4.2087, 5.6893



42.3160, 21.2684, 26.6648

Previews

White Background



This preview shows how the XYZ color 12.8597, 13.6715, 15.8710 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 12.8597, 13.6715, 15.8710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

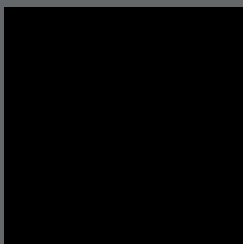
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

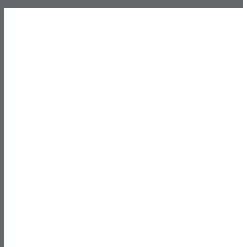
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8597, 13.6715, 15.8710

Background



This preview shows how black text looks on a background with the XYZ color 12.8597, 13.6715, 15.8710.



This preview shows how white text looks on a background with the XYZ color 12.8597, 13.6715,

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

12.8597, 13.6715, 15.8710

Protanopia

13.1607, 13.6842, 15.5833

Deuteranopia

13.8195, 13.5766, 16.0795



Tritanopia

13.0863, 13.6149, 16.9771

Trichromacy

**Original Color**

12.8597, 13.6715, 15.8710

Protanomaly

13.0453, 13.6247, 15.5779

Deuteranomaly

13.4239, 13.5159, 16.0887

Tritanomaly

13.0315, 13.5930, 16.6887

Monochromacy

**Original Color**

12.8597, 13.6715, 15.8710

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8284, 13.5248, 15.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8597, 13.6715, 15.8710 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(100, 104, 107)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 104, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 104, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.8597, 13.6715, 15.8710 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(100, 104, 107) }
```


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

```
.border{ border-color:rgb(100, 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(100, 104, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 104, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 104, 107);  
box-shadow:4px 4px 4px 4px rgb(100, 104,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8597, 13.6715, 15.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 104, 107) }
```

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

```
.background{ background-color: rgb(100,  
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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