

Converting Colors

XYZ(10.6819, 13.0642, 15.0059)

Have a look what the booklet for
XYZ(10.6819, 13.0642, 15.0059)
contains.

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Color

**XYZ(10.6580, 13.0107,
15.0463)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6B68
RGB	75, 107, 104
RGB Percent	29%, 42%, 41%
CMY	0.7059, 0.5804, 0.5922
CMYK	0.30, 0.00, 0.03, 0.58
HSL	174°, 18%, 36%
HSV	174°, 30%, 42%
XYZ	10.6580, 13.0107, 15.0463
YIQ	97.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

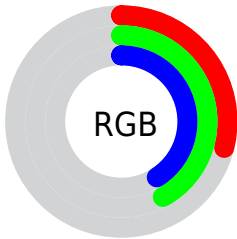
Format	Color
R_{YB}	75, 92, 107
Decimal	4942696
CIE _{Lab}	42.78, -12.25, -2.06
CIE _{LCh}	43, 12.420, 189.529
Yxy	13.0107, 0.2753, 0.3361
Android (android.graphics.Color)	4283132776 (0xFF4B6B68)
YUV	97.0900, 3.4066, -19.3729
Hunter-Lab	36.0703, -10.3803, 0.5172

Details

The XYZ color **10.6580, 13.0107, 15.0463** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9550, 8.7083, 8.3643**, and the grayscale version is **11.3797, 11.9724, 13.0379**.

A 20% lighter version of the original color is **26.6007, 31.1803, 35.6267**, and **2.8333, 3.7740, 4.4500** is the 20% darker color. If you saturate the color by 10%, you get **9.8399, 12.5952, 14.7438**, and if you desaturate by 10%, it is **11.6182, 13.5001, 15.3592**.

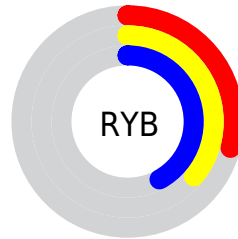
Distribution



Red (29%)

Green (42%)

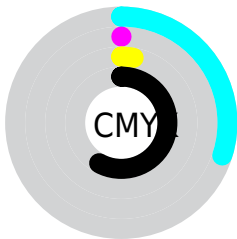
Blue (41%)



Red (29%)

Yellow (36%)

Blue (42%)

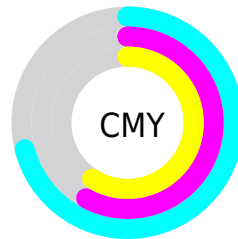


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6580, 13.0107, 15.0463 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 10.6580, 13.0107, 15.0463 by changing the saturation by 10% instead.

■ 10.6580, 13.0107,
15.0463

■ 10.6580, 13.0107,
15.0463

189.2631,
210.9862, 235.2967

■ 5.9029, 7.4359,
8.7049

■ 26.6646, 31.3230,
35.6778

■ 2.8263, 3.7362,
4.4550

■ 38.6468, 44.8293,
50.8051

■ 1.0626, 1.5271,
1.8781

■ 53.7689, 61.7483,
69.6980

■ 0.0000, 0.3077,
0.4788

■ 72.3960, 82.4642,
92.7751

■ 0.0000, 0.0000,
0.0000

■ 94.8937, 107.3616,
120.4550

121.6272,

136.8248, 153.1562

152.9619,
171.2382, 191.2973

■ 10.6580, 13.0107,
15.0463

■ 10.6580, 13.0107,
15.0463

■ 9.8399, 12.5952,
14.7438

■ 11.6182, 13.5001,
15.3592

■ 9.1559, 12.2483,
14.4504

■ 12.7261, 14.0652,
15.6820

■ 8.5985, 11.9667,
14.1660

■ 13.9880, 14.7097,
16.0151

■ 8.1594, 11.7460,
13.8904

■ 15.4098, 15.4366,
16.3589

■ 7.8292, 11.5813,
13.6229

■ 16.9970, 16.2486,
16.7137

■ 7.5969, 11.4671,
13.3632

■ 18.7549, 17.1485,
17.0797

■ 7.4157, 11.3791,
13.1090

■ 20.6883, 18.1389,
17.4571

■ 7.4140, 11.3783,
13.1066

■ 22.8022, 19.2222,
17.8462

■ 25.1010, 20.4008,
18.2472

Harmonies

Analogous

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



10.7395, 13.0107, 12.4218



10.6580, 13.0107, 15.0463



11.0159, 13.0107, 17.7468

Triad

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



10.6580, 13.0107, 15.0463



13.5603, 13.0107, 18.5756



13.0133, 13.0107, 9.8256

Complementary

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



10.6580, 13.0107, 15.0463



9.9550, 8.7083, 8.3643

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.



13.8228, 13.0107, 11.1032



10.6580, 13.0107, 15.0463



14.1496, 13.0107, 16.0673

Square

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



10.6580, 13.0107, 15.0463



12.6698, 13.0107, 19.9490



14.2480, 13.0107, 13.3216



12.0676, 13.0107, 9.6256

Rectangle

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



10.6580, 13.0107, 15.0463



11.4668, 13.0107, 19.1465



14.2480, 13.0107, 13.3216



13.3117, 13.0107, 10.1347

Sweetspot

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



10.6584, 13.0112, 15.0466



22.9259, 25.2557, 28.1180



9.6863, 12.6521, 8.5883



5.4903, 6.0830, 6.7895



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.



10.6584, 13.0112, 15.0466



18.0173, 22.7548, 26.5546



9.5763, 10.5988, 15.4516



3.1702, 3.4873, 3.8799



9.0134, 13.8394, 15.9135



45.7554, 70.4493, 80.1821

Inverse Universe

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



9.9550, 8.7083, 8.3643



16.5360, 13.6862, 12.4767



10.8071, 10.5808, 8.1295



3.1102, 3.1210, 3.3108



7.4369, 3.8269, 0.6633



37.7407, 19.4382, 2.5713

Previews

White Background



This preview shows how the XYZ color 10.6580, 13.0107, 15.0463 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 10.6580, 13.0107, 15.0463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

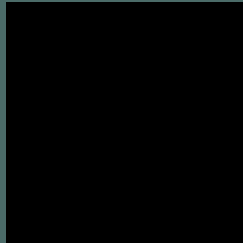
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.6580, 13.0107, 15.0463

Background



This preview shows how black text looks on a background with the XYZ color 10.6580, 13.0107, 15.0463.



This preview shows how white text looks on a background with the XYZ color 10.6580, 13.0107,

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

10.6580, 13.0107, 15.0463

Protanopia

12.4509, 12.9180, 13.8938

Deuteranopia

13.1535, 12.9641, 15.4447



Tritanopia

11.1494, 12.8958, 17.8211

Trichromacy



Original Color

10.6580, 13.0107, 15.0463

Protanomaly

11.7134, 12.9672, 14.1975

Deuteranomaly

12.0274, 12.8141, 15.2041

Tritanomaly

10.9490, 12.9704, 16.6783

Monochromacy



Original Color

10.6580, 13.0107, 15.0463

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0738, 12.3513, 13.8570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6580, 13.0107, 15.0463 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(75, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 107, 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(75, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 107, 104) }
```

Border

The CSS property to change the border of an element to XYZ 10.6580, 13.0107, 15.0463 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(75, 107, 104) }
```


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

```
.border{ border-color:rgb(75, 107, 104) }
```

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

Here you see how a box with a 4 pixel rgb(75, 107, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 107,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6580, 13.0107, 15.0463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 107, 104) }
```

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

```
.background{ background-color: rgb(75, 107,  
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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