

Converting Colors

XYZ(10.6781, 12.1493, 15.7204)

Have a look what the booklet for
XYZ(10.6781, 12.1493, 15.7204)
contains.

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Color

**XYZ(10.6158, 12.0744,
15.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	50656B
RGB	80, 101, 107
RGB Percent	31%, 40%, 42%
CMY	0.6863, 0.6039, 0.5804
CMYK	0.25, 0.06, 0.00, 0.58
HSL	193°, 14%, 37%
HSV	193°, 25%, 42%
XYZ	10.6158, 12.0744, 15.6810
YIQ	95.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

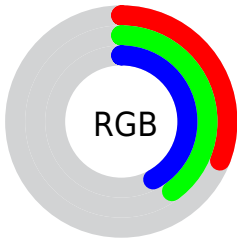
Format	Color
R_{YB}	80, 92, 107
Decimal	5268843
CIE _{Lab}	41.33, -6.34, -5.98
CIE _{LCh}	41, 8.715, 223.343
Yxy	12.0744, 0.2767, 0.3147
Android (android.graphics.Color)	4283458923 (0xFF50656B)
YUV	95.4050, 5.7163, -13.5102
Hunter-Lab	34.7482, -6.2766, -2.4323

Details

The XYZ color **10.6158, 12.0744, 15.6810** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8393, 10.3606, 9.0182**, and the grayscale version is **10.9639, 11.5349, 12.5615**.

A 20% lighter version of the original color is **26.6057, 29.6709, 36.6725**, and **2.7945, 3.3047, 4.7655** is the 20% darker color. If you saturate the color by 10%, you get **9.5559, 11.1906, 15.5665**, and if you desaturate by 10%, it is **11.8270, 13.0467, 15.8050**.

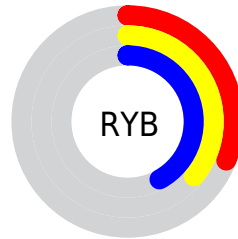
Distribution



Red (31%)

Green (40%)

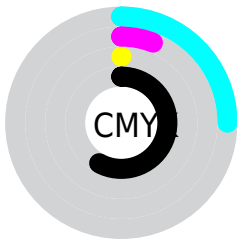
Blue (42%)



Red (31%)

Yellow (36%)

Blue (42%)

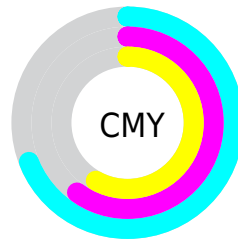


Cyan (25%)

Magenta (6%)

Yellow (0%)

Black (58%)



Cyan (69%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6158, 12.0744, 15.6810 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 10.6158, 12.0744, 15.6810 by changing the saturation by 10% instead.

■ 10.6158, 12.0744,
15.6810

■ 10.6158, 12.0744,
15.6810

188.9756,
204.8972, 239.2330

■ 5.8745, 6.7944,
9.1468

■ 26.5868, 29.6305,
36.8026

■ 2.8088, 3.3338,
4.7389

■ 38.5472, 42.6754,
52.2270

■ 1.0535, 1.3084,
2.0389

■ 53.6447, 59.0774,
71.4520

■ 0.0000, 0.1477,
0.5790

■ 72.2446, 79.2208,
94.8959

■ 0.0000, 0.0000,
0.0000

■ 94.7123, 103.4902,
122.9775

121.4131,

132.2697, 156.1152

152.7124,
165.9439, 194.7275

■ 10.6158, 12.0744,
15.6810

■ 10.6158, 12.0744,
15.6810

■ 9.5559, 11.1906,
15.5665

■ 11.8270, 13.0467,
15.8050

■ 8.6395, 10.3903,
15.4603

■ 13.1948, 14.1095,
15.9381

■ 7.8594, 9.6699,
15.3624

■ 14.7256, 15.2664,
16.0807

■ 7.2075, 9.0254,
15.2723

■ 16.4251, 16.5204,
16.2332

■ 6.6748, 8.4519,
15.1897

■ 18.2988, 17.8744,
16.3958

■ 6.2513, 7.9442,
15.1140

■ 20.3518, 19.3312,
16.5688

■ 5.9162, 7.4914,
15.0443

■ 22.5891, 20.8933,
16.7524

■ 5.7647, 7.2831,
15.0121

■ 25.0153, 22.5634,
16.9468

■ 27.6352, 24.3437,
17.1524

Harmonies

Analogous

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



10.3350, 12.0744, 13.9659



10.6158, 12.0744, 15.6810



11.1318, 12.0744, 16.7676

Triad

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



10.6158, 12.0744, 15.6810



12.6793, 12.0744, 14.1691



11.1984, 12.0744, 10.0455

Complementary

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



10.6158, 12.0744, 15.6810



10.8393, 10.3606, 9.0182

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.



11.8279, 12.0744, 10.0891



10.6158, 12.0744, 15.6810



12.6987, 12.0744, 12.3607

Square

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



10.6158, 12.0744, 15.6810



12.3301, 12.0744, 15.8414



12.3822, 12.0744, 10.9018



10.6630, 12.0744, 10.7768

Rectangle

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



10.6158, 12.0744, 15.6810



11.5473, 12.0744, 16.9328



12.3822, 12.0744, 10.9018



11.4057, 12.0744, 9.9722

Sweetspot

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



10.6162, 12.0749, 15.6813



22.8636, 24.6777, 28.4659



10.2399, 12.8906, 10.7211



5.4600, 5.9159, 6.8829



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.



10.6162, 12.0749, 15.6813



17.9112, 20.7136, 27.9618



9.4234, 9.6894, 15.2837



3.1276, 3.3835, 3.9231



6.9902, 8.8146, 18.2552



34.9540, 43.5865, 92.7970

Inverse Universe

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



11.2813, 9.8030, 13.6101



19.3316, 16.0014, 23.5077



12.0067, 12.6954, 9.4073



3.1902, 3.1530, 3.7320



9.2752, 4.5622, 10.3435



46.9259, 23.1123, 50.9401

Previews

White Background



This preview shows how the XYZ color 10.6158, 12.0744, 15.6810 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 10.6158, 12.0744, 15.6810 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

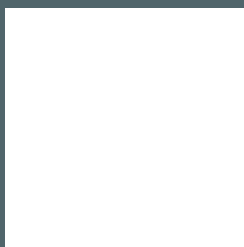
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6158, 12.0744, 15.6810

Background



This preview shows how black text looks on a background with the XYZ color 10.6158, 12.0744, 15.6810.



This preview shows how white text looks on a background with the XYZ color 10.6158, 12.0744,

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

10.6158, 12.0744, 15.6810

Protanopia

11.7031, 12.0903, 14.8135

Deuteranopia

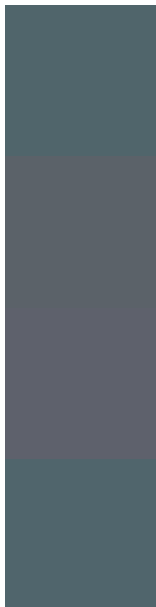
12.2785, 12.0919, 15.8742



Tritanopia

10.7223, 12.1170, 16.2417

Trichromacy



Original Color

10.6158, 12.0744, 15.6810

Protanomaly

11.2319, 11.9794, 15.0849

Deuteranomaly

11.5976, 12.0118, 15.8946

Tritanomaly

10.6687, 12.0955, 15.9597

Monochromacy



Original Color

10.6158, 12.0744, 15.6810

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7433, 11.6239, 13.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6158, 12.0744, 15.6810 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(80, 101, 107) looks like.

```
.text, #text, p{  
    color:rgb(80, 101, 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(80, 101, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 101, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.6158, 12.0744, 15.6810 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(80, 101, 107) }
```


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

```
.border{ border-color:rgb(80, 101, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 101, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 101, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 101, 107);  
box-shadow:4px 4px 4px 4px rgb(80, 101,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6158, 12.0744, 15.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 101, 107) }
```

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

```
.background{ background-color: rgb(80, 101,  
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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