

Converting Colors

XYZ(12.0718, 13.8369, 15.0863)

Have a look what the booklet for
XYZ(12.0718, 13.8369, 15.0863)
contains.

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Color

**XYZ(12.0777, 13.8983,
15.1428)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6C68
RGB	90, 108, 104
RGB Percent	35%, 42%, 41%
CMY	0.6471, 0.5765, 0.5922
CMYK	0.17, 0.00, 0.04, 0.58
HSL	167°, 9%, 39%
HSV	167°, 17%, 42%
XYZ	12.0777, 13.8983, 15.1428
YIQ	102.1620, -9.4440, -5.0600

Conversions

Conversions Part 2

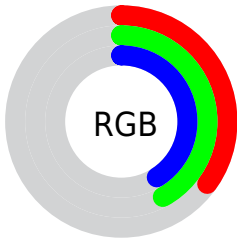
Format	Color
R_{YB}	90, 100, 108
Decimal	5925992
CIE _{Lab}	44.09, -7.62, -0.02
CIE _{LCh}	44, 7.622, 180.170
Yxy	13.8983, 0.2937, 0.3380
Android (android.graphics.Color)	4284116072 (0xFF5A6C68)
YUV	102.1620, 0.9061, -10.6661
Hunter-Lab	37.2804, -7.4123, 2.0135

Details

The XYZ color **12.0777, 13.8983, 15.1428** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8614, 11.3089, 12.1479**, and the grayscale version is **12.6715, 13.3314, 14.5179**.

A 20% lighter version of the original color is **29.1297, 32.7383, 35.7942**, and **3.4460, 4.1684, 4.4938** is the 20% darker color. If you saturate the color by 10%, you get **10.9825, 13.3480, 14.4642**, and if you desaturate by 10%, it is **13.3299, 14.5299, 15.8475**.

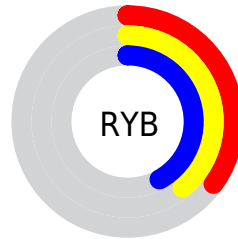
Distribution



Red (35%)

Green (42%)

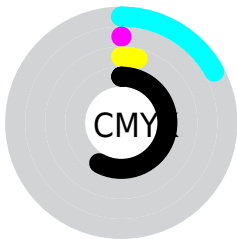
Blue (41%)



Red (35%)

Yellow (39%)

Blue (42%)

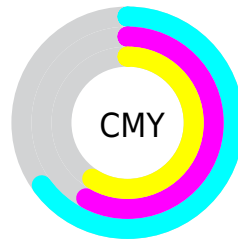


Cyan (17%)

Magenta (0%)

Yellow (4%)

Black (58%)



Cyan (65%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0777, 13.8983, 15.1428 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 12.0777, 13.8983, 15.1428 by changing the saturation by 10% instead.

■ 12.0777, 13.8983,
15.1428

■ 12.0777, 13.8983,
15.1428

198.6784,
216.5972, 235.8994

■ 6.8692, 8.0500,
8.7719

■ 29.2522, 32.9085,
35.8493

■ 3.4260, 4.1269,
4.4979

■ 41.9488, 46.8391,
51.0221

■ 1.3829, 1.7448,
1.9023

■ 57.8723, 64.2326,
69.9659

■ 0.2440, 0.4524,
0.4942

■ 77.3878, 85.4734,
93.0993

■ 0.0000, 0.0000,
0.0000

100.8609,
110.9458, 120.8408

128.6568,

141.0344, 153.6089

161.1408,
176.1234, 191.8223

■ 12.0777, 13.8983,
15.1428

■ 12.0777, 13.8983,
15.1428

■ 10.9825, 13.3480,
14.4642

■ 13.3299, 14.5299,
15.8475

■ 10.0364, 12.8737,
13.8103

■ 14.7440, 15.2442,
16.5777

■ 9.2329, 12.4726,
13.1808

■ 16.3263, 16.0448,
17.3342

■ 8.5642, 12.1406,
12.5754

■ 18.0824, 16.9346,
18.1174

■ 8.0220, 11.8734,
11.9934

■ 20.0175, 17.9162,
18.9277

■ 7.5970, 11.6662,
11.4343

■ 22.1367, 18.9924,
19.7655

■ 7.2785, 11.5136,
10.8973

■ 24.4449, 20.1655,
20.6311

■ 7.0394, 11.4015,
10.3812

■ 26.9467, 21.4381,
21.5249

■ 6.9628, 11.3657,
10.2131

■ 29.6468, 22.8124,
22.4472

Harmonies

Analogous

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



12.2238, 13.8983, 13.5316



12.0777, 13.8983, 15.1428



12.2271, 13.8983, 16.8742

Triad

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



12.0777, 13.8983, 15.1428



13.8047, 13.8983, 18.2079



13.7986, 13.8983, 12.4165

Complementary

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



12.0777, 13.8983, 15.1428



11.8614, 11.3089, 12.1479

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.



14.2440, 13.8983, 13.5156



12.0777, 13.8983, 15.1428



14.2477, 13.8983, 16.8558

Square

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



12.0777, 13.8983, 15.1428



13.2134, 13.8983, 18.7245



14.4108, 13.8983, 15.1230



13.2065, 13.8983, 12.0327

Rectangle

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



12.0777, 13.8983, 15.1428



12.4769, 13.8983, 17.8454



14.4108, 13.8983, 15.1230



13.9711, 13.8983, 12.7102

Sweetspot

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



12.0781, 13.8989, 15.1431



23.7627, 25.6903, 28.0142



11.8451, 13.8542, 11.7228



5.7211, 6.2028, 6.7644



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.



12.0781, 13.8989, 15.1431



20.4263, 24.0088, 26.1172



11.7938, 12.9972, 16.0752



3.1544, 3.4810, 3.7971



8.2943, 13.5518, 12.1270



41.9280, 68.9183, 60.0270

Inverse Universe

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



11.8614, 11.3089, 12.1479



19.9696, 18.5481, 19.8031



12.1045, 12.0752, 11.3658



3.1248, 3.1268, 3.3874



7.5638, 3.8776, 1.3315



38.2622, 19.6468, 5.3173

Previews

White Background



This preview shows how the XYZ color 12.0777, 13.8983, 15.1428 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 12.0777, 13.8983, 15.1428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

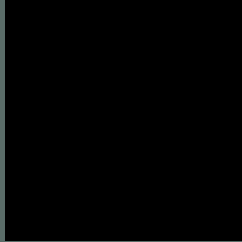
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0777, 13.8983, 15.1428

Background



This preview shows how black text looks on a background with the XYZ color 12.0777, 13.8983, 15.1428.



This preview shows how white text looks on a background with the XYZ color 12.0777, 13.8983,

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

12.0777, 13.8983, 15.1428

Protanopia

13.2431, 13.9044, 14.2977

Deuteranopia

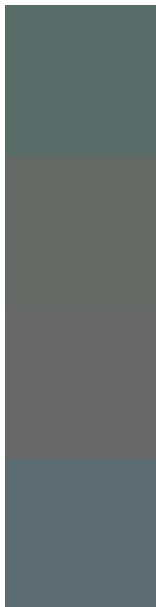
14.0135, 13.8380, 15.2970



Tritanopia

12.6622, 13.8212, 18.2200

Trichromacy



Original Color

12.0777, 13.8983, 15.1428

Protanomaly

12.7054, 13.7718, 14.5589

Deuteranomaly

13.3258, 13.9238, 15.3498

Tritanomaly

12.4413, 13.8872, 17.0637

Monochromacy



Original Color

12.0777, 13.8983, 15.1428

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4355, 13.4766, 14.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0777, 13.8983, 15.1428 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(90, 108, 104) looks like.

```
.text, #text, p{  
    color:rgb(90, 108, 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(90, 108, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 108, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.0777, 13.8983, 15.1428 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(90, 108, 104) }
```


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

```
.border{ border-color:rgb(90, 108, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 108, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 108, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 108, 104);  
box-shadow:4px 4px 4px 4px rgb(90, 108,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0777, 13.8983, 15.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 108, 104) }
```

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

```
.background{ background-color: rgb(90, 108,  
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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