

Converting Colors

XYZ(11.1170, 13.1318, 15.3007)

Have a look what the booklet for
XYZ(11.1170, 13.1318, 15.3007)
contains.

XYZ(11.0972, 13.0773, 15.3039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.0972, 13.0773,
15.3039)**

Conversions

Conversions Part 1

Format	Color
Hex	516A69
RGB	81, 106, 105
RGB Percent	32%, 42%, 41%
CMY	0.6823, 0.5843, 0.5882
CMYK	0.24, 0.00, 0.01, 0.58
HSL	178°, 13%, 37%
HSV	178°, 24%, 42%
XYZ	11.0972, 13.0773, 15.3039
YIQ	98.4110, -14.5790, -5.6110

Conversions

Conversions Part 2

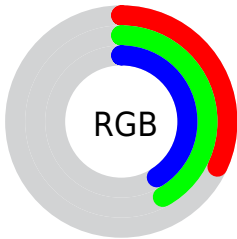
Format	Color
R_{YB}	81, 94, 106
Decimal	5335657
CIE _{Lab}	42.88, -9.41, -2.47
CIE _{LCh}	43, 9.732, 194.704
Yxy	13.0773, 0.2811, 0.3313
Android (android.graphics.Color)	4283525737 (0xFF516A69)
YUV	98.4110, 3.2484, -15.2694
Hunter-Lab	36.1625, -8.5082, 0.2224

Details

The XYZ color **11.0972, 13.0773, 15.3039** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4098, 9.5587, 9.2796**, and the grayscale version is **11.7070, 12.3167, 13.4128**.

A 20% lighter version of the original color is **27.4178, 31.3395, 36.0566**, and **3.0208, 3.7907, 4.5755** is the 20% darker color. If you saturate the color by 10%, you get **10.2372, 12.6368, 15.1503**, and if you desaturate by 10%, it is **12.0999, 13.5920, 15.4653**.

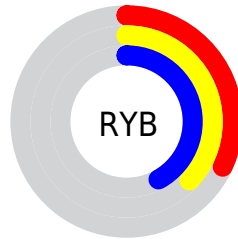
Distribution



Red (32%)

Green (42%)

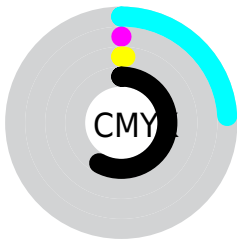
Blue (41%)



Red (32%)

Yellow (37%)

Blue (42%)

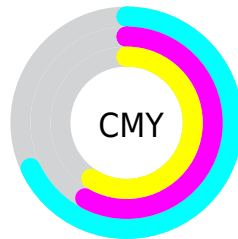


Cyan (24%)

Magenta (0%)

Yellow (1%)

Black (58%)



Cyan (68%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0972, 13.0773, 15.3039 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 11.0972, 13.0773, 15.3039 by changing the saturation by 10% instead.

■ 11.0972, 13.0773,
15.3039

■ 11.0972, 13.0773,
15.3039

192.2277,
211.4125, 236.9022

■ 6.2000, 7.4818,
8.8840

■ 27.4711, 31.4426,
36.1352

■ 3.0089, 3.7652,
4.5698

■ 39.6786, 44.9812,
51.3837

■ 1.1585, 1.5431,
1.9429

■ 55.0535, 61.9362,
70.4122

■ 0.0732, 0.3188,
0.5198

■ 73.9613, 82.6921,
93.6391

■ 0.0000, 0.0000,
0.0000

■ 96.7672, 107.6333,
121.4830

123.8367,

137.1442, 154.3624

155.5351,
171.6091, 192.6960

■ 11.0972, 13.0773,
15.3039

■ 11.0972, 13.0773,
15.3039

■ 10.2372, 12.6368,
15.1503

■ 12.0999, 13.5920,
15.4653

■ 9.5122, 12.2655,
15.0033

■ 13.2504, 14.1826,
15.6339

■ 8.9154, 11.9604,
14.8629

■ 14.5547, 14.8524,
15.8103

■ 8.4393, 11.7174,
14.7287

■ 16.0184, 15.6044,
15.9947

■ 8.0752, 11.5322,
14.6003

■ 17.6465, 16.4412,
16.1874

■ 7.8135, 11.3997,
14.4772

■ 19.4442, 17.3653,
16.3886

■ 7.6391, 11.3123,
14.3588

■ 21.4162, 18.3793,
16.5985

■ 7.5405, 11.2630,
14.2838

■ 23.5669, 19.4854,
16.8173

■ 25.9009, 20.6860,
17.0453

Harmonies

Analogous

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



11.1007, 13.0773, 13.1858



11.0972, 13.0773, 15.3039



11.4407, 13.0773, 17.3182

Triad

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



11.0972, 13.0773, 15.3039



13.4628, 13.0773, 17.3523



12.8106, 13.0773, 10.6430

Complementary

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



11.0972, 13.0773, 15.3039



10.4098, 9.5587, 9.2796

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.



13.4738, 13.0773, 11.5482



11.0972, 13.0773, 15.3039



13.8604, 13.0773, 15.3468

Square

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



11.0972, 13.0773, 15.3039



12.7961, 13.0773, 18.5785



13.8646, 13.0773, 13.2246



12.0702, 13.0773, 10.6339

Rectangle

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



11.0972, 13.0773, 15.3039



11.8286, 13.0773, 18.2715



13.8646, 13.0773, 13.2246



13.0506, 13.0773, 10.8482

Sweetspot

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



11.0976, 13.0778, 15.3042



22.4947, 24.5001, 27.3286



10.1411, 12.7077, 9.7033



5.2534, 5.7310, 6.3994



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.



11.0976, 13.0778, 15.3042



18.6619, 22.5338, 26.7166



10.0650, 10.9299, 15.2154



3.1768, 3.4899, 3.9150



9.3546, 13.9759, 17.7103



47.5868, 71.1818, 89.8259

Inverse Universe

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



10.4098, 9.5587, 9.2796



17.2409, 15.2622, 14.2691



11.2784, 11.3564, 9.3825



3.1042, 3.1186, 3.2791



7.4022, 3.8130, 0.4807



37.6402, 19.3980, 2.0419

Previews

White Background



This preview shows how the XYZ color 11.0972, 13.0773, 15.3039 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 11.0972, 13.0773, 15.3039 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 11.0972, 13.0773, 15.3039

Background



This preview shows how black text looks on a background with the XYZ color 11.0972, 13.0773, 15.3039.



This preview shows how white text looks on a background with the XYZ color 11.0972, 13.0773,

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

11.0972, 13.0773, 15.3039

Protanopia

12.4349, 12.8984, 14.4046

Deuteranopia

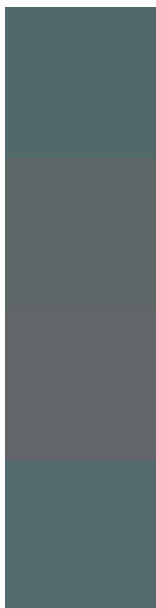
13.2059, 12.9850, 15.7203



Tritanopia

11.5995, 13.1344, 17.5466

Trichromacy



Original Color

11.0972, 13.0773, 15.3039

Protanomaly

11.8156, 12.8617, 14.6918

Deuteranomaly

12.2922, 12.9446, 15.4864

Tritanomaly

11.3457, 13.0228, 16.6675

Monochromacy



Original Color

11.0972, 13.0773, 15.3039

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4163, 12.5223, 14.1273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0972, 13.0773, 15.3039 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(81, 106, 105) looks like.

```
.text, #text, p{  
    color:rgb(81, 106, 105)  
}
```

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(81, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 106, 105) }
```

Border

The CSS property to change the border of an element to XYZ 11.0972, 13.0773, 15.3039 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(81, 106, 105) }
```


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

```
.border{ border-color:rgb(81, 106, 105) }
```

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

Here you see how a box with a 4 pixel rgb(81, 106, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(81, 106,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0972, 13.0773, 15.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 106, 105) }
```

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

```
.background{ background-color: rgb(81, 106,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor