

Converting Colors

XYZ(11.7546, 13.1235, 16.0240)

Have a look what the booklet for
XYZ(11.7546, 13.1235, 16.0240)
contains.

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Color

**XYZ(11.7769, 13.1072,
16.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	59686C
RGB	89, 104, 108
RGB Percent	35%, 41%, 42%
CMY	0.6510, 0.5921, 0.5765
CMYK	0.18, 0.04, 0.00, 0.58
HSL	193°, 10%, 39%
HSV	193°, 18%, 42%
XYZ	11.7769, 13.1072, 16.0966
YIQ	99.9710, -10.2240, -1.9360

Conversions

Conversions Part 2

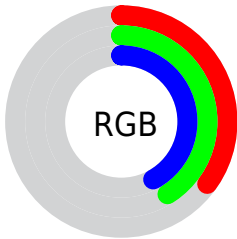
Format	Color
R_{YB}	89, 97, 108
Decimal	5859436
CIE _{Lab}	42.92, -4.72, -4.16
CIE _{LCh}	43, 6.287, 221.406
Yxy	13.1072, 0.2874, 0.3198
Android (android.graphics.Color)	4284049516 (0xFF59686C)
YUV	99.9710, 3.9583, -9.6216
Hunter-Lab	36.2039, -5.2918, -1.0182

Details

The XYZ color **11.7769, 13.1072, 16.0966** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9019, 11.7380, 11.0897**, and the grayscale version is **12.0981, 12.7282, 13.8610**.

A 20% lighter version of the original color is **28.6268, 31.4349, 37.3596**, and **3.3017, 3.7768, 4.9698** is the 20% darker color. If you saturate the color by 10%, you get **10.5900, 12.1606, 15.9767**, and if you desaturate by 10%, it is **13.1228, 14.1456, 16.2263**.

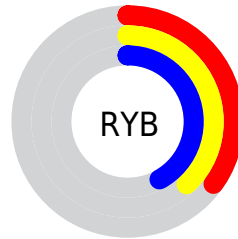
Distribution



Red (35%)

Green (41%)

Blue (42%)



Red (35%)

Yellow (38%)

Blue (42%)

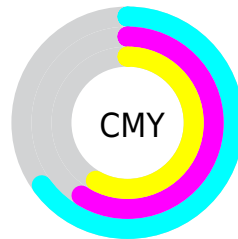


Cyan (18%)

Magenta (4%)

Yellow (0%)

Black (58%)



Cyan (65%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7769, 13.1072, 16.0966 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 11.7769, 13.1072, 16.0966 by changing the saturation by 10% instead.

■ 11.7769, 13.1072,
16.0966

■ 11.7769, 13.1072,
16.0966

196.7229,
211.6036, 241.7762

■ 6.6631, 7.5024,
9.4374

■ 28.7085, 31.4962,
37.5349

■ 3.2967, 3.7782,
4.9269

■ 41.2570, 45.0493,
53.1512

■ 1.3126, 1.5503,
2.1464

■ 57.0144, 62.0205,
72.5903

■ 0.1926, 0.3237,
0.6432

■ 76.3461, 82.7943,
96.2706

■ 0.0000, 0.0000,
0.0000

■ 99.6175, 107.7552,
124.6109

127.1938,

137.2874, 158.0295

159.4405,
171.7754, 196.9451

■ 11.7769, 13.1072,
16.0966

■ 11.7769, 13.1072,
16.0966

■ 10.5900, 12.1606,
15.9767

■ 13.1228, 14.1456,
16.2263

■ 9.5544, 11.3007,
15.8653

■ 14.6328, 15.2775,
16.3652

■ 8.6632, 10.5244,
15.7624

■ 16.3132, 16.5065,
16.5139

■ 7.9088, 9.8274,
15.6676

■ 18.1696, 17.8356,
16.6726

■ 7.2827, 9.2055,
15.5806

■ 20.2073, 19.2676,
16.8416

■ 6.7754, 8.6536,
15.5008

■ 22.4315, 20.8053,
17.0211

■ 6.3761, 8.1661,
15.4277

■ 24.8469, 22.4511,
17.2115

■ 6.0528, 7.7264,
15.3599

■ 27.4585, 24.2076,
17.4129

■ 5.9769, 7.6228,
15.3439

■ 30.2706, 26.0773,
17.6256

Harmonies

Analogous

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



11.5729, 13.1072, 14.8019



11.7769, 13.1072, 16.0966



12.1653, 13.1072, 16.9329

Triad

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



11.7769, 13.1072, 16.0966



13.3556, 13.1072, 15.1331



12.2759, 13.1072, 11.8286

Complementary

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



11.7769, 13.1072, 16.0966



11.9019, 11.7380, 11.0897

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.



12.7553, 13.1072, 11.9047



11.7769, 13.1072, 16.0966



13.3871, 13.1072, 13.7539

Square

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



11.7769, 13.1072, 16.0966



13.0800, 13.1072, 16.3525



13.1649, 13.1072, 12.5899



11.8561, 13.1072, 12.3750

Rectangle

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



11.7769, 13.1072, 16.0966



12.4807, 13.1072, 17.0875



13.1649, 13.1072, 12.5899



12.4353, 13.1072, 11.7832

Sweetspot

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



11.7773, 13.1077, 16.0969



23.6625, 25.3067, 28.5452



11.4495, 13.6360, 12.3383



5.6944, 6.1004, 6.9061



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.



11.7773, 13.1077, 16.0969



19.8145, 22.3318, 28.1738



10.8920, 11.3372, 15.8018



3.1304, 3.3892, 3.9241



7.1092, 9.0528, 18.2949



35.5839, 44.8463, 93.0069

Inverse Universe

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



12.2557, 11.3326, 14.6388



20.8265, 18.6446, 25.0744



12.7686, 13.4715, 11.3787



3.1916, 3.1535, 3.7395



9.3353, 4.5862, 10.6601



47.2439, 23.2395, 52.6144

Previews

White Background



This preview shows how the XYZ color 11.7769, 13.1072, 16.0966 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 11.7769, 13.1072, 16.0966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

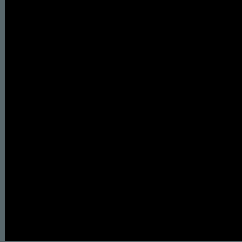
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

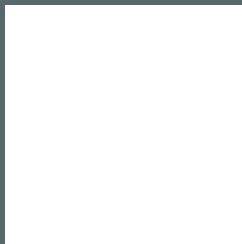
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7769, 13.1072, 16.0966

Background



This preview shows how black text looks on a background with the XYZ color 11.7769, 13.1072, 16.0966.



This preview shows how white text looks on a background with the XYZ color 11.7769, 13.1072,

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

11.7769, 13.1072, 16.0966

Protanopia

12.7347, 13.1727, 15.5071

Deuteranopia

13.1914, 12.9653, 16.2753



Tritanopia

11.9913, 13.0440, 17.2150

Trichromacy



Original Color

11.7769, 13.1072, 16.0966

Protanomaly

12.3350, 13.1057, 15.7894

Deuteranomaly

12.5730, 12.9278, 16.3006

Tritanomaly

11.9359, 13.0219, 16.9233

Monochromacy



Original Color

11.7769, 13.1072, 16.0966

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9257, 12.7734, 14.6689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7769, 13.1072, 16.0966 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(89, 104, 108)` looks like.

```
.text, #text, p{  
    color:rgb(89, 104, 108)  
}
```

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(89, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 104, 108) }
```

Border

The CSS property to change the border of an element to XYZ 11.7769, 13.1072, 16.0966 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(89, 104, 108) }
```


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

```
.border{ border-color:rgb(89, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(89, 104,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7769, 13.1072, 16.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 104, 108) }
```

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

```
.background{ background-color: rgb(89, 104,  
108) }
```

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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