

Converting Colors

XYZ(13.3201, 11.5172, 18.4433)

Have a look what the booklet for
XYZ(13.3201, 11.5172, 18.4433)
contains.

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Color

**XYZ(13.3012, 11.5455,
18.3571)**

Conversions

Conversions Part 1

Format	Color
Hex	705775
RGB	112, 87, 117
RGB Percent	44%, 34%, 46%
CMY	0.5608, 0.6588, 0.5412
CMYK	0.04, 0.26, 0.00, 0.54
HSL	290°, 15%, 40%
HSV	290°, 26%, 46%
XYZ	13.3012, 11.5455, 18.3571
YIQ	97.8950, 5.2700, 14.6300

Conversions

Conversions Part 2

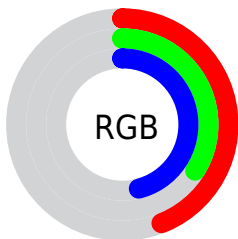
Format	Color
R_{YB}	112, 87, 117
Decimal	7362421
CIE _{Lab}	40.48, 16.12, -13.10
CIE _{LCh}	40, 20.774, 320.905
Yxy	11.5455, 0.3079, 0.2672
Android (android.graphics.Color)	4285552501 (0xFF705775)
YUV	97.8950, 9.4188, 12.3701
Hunter-Lab	33.9787, 10.4125, -8.2466

Details

The XYZ color **13.3012, 11.5455, 18.3571** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **12.4956, 15.6863, 11.3866**, and the grayscale version is **11.5601, 12.1621, 13.2445**.

A 20% lighter version of the original color is **31.4169, 28.6484, 41.4100**, and **3.9815, 3.1055, 6.0198** is the 20% darker color. If you saturate the color by 10%, you get **12.1843, 9.6759, 18.0553**, and if you desaturate by 10%, it is **14.5777, 13.7259, 18.7109**.

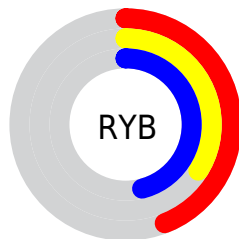
Distribution



Red (44%)

Green (34%)

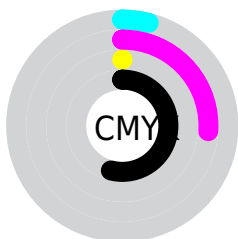
Blue (46%)



Red (44%)

Yellow (34%)

Blue (46%)

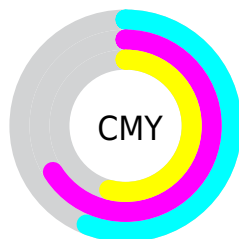


Cyan (4%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (56%)

Magenta (66%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3012, 11.5455, 18.3571 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 13.3012, 11.5455, 18.3571 by changing the saturation by 10% instead.

■ 13.3012, 11.5455,
18.3571

■ 13.3012, 11.5455,
18.3571

206.4379,
201.3727, 255.1796

■ 7.7147, 6.4350,
11.0346

■ 31.4406, 28.6646,
41.4670

■ 3.9632, 3.1114,
5.9756

■ 44.7242, 41.4419,
58.0915

■ 1.6813, 1.1901,
2.7617

■ 61.3042, 57.5437,
78.6537

■ 0.4445, 0.0536,
0.9743

■ 81.5460, 77.3543,
103.5721

■ 0.0000, 0.0000,
0.0000

■ 105.8149,
101.2581, 133.2654

134.4763,

129.6395, 168.1521

167.8955,
162.8829, 208.6506

■ 13.3012, 11.5455,
18.3571

■ 13.3012, 11.5455,
18.3571

■ 12.1843, 9.6759,
18.0553

■ 14.5777, 13.7259,
18.7109

■ 11.2186, 8.1010,
17.8022

■ 16.0197, 16.2296,
19.1181

■ 10.3964, 6.8051,
17.5954

■ 17.6341, 19.0698,
19.5812

■ 9.7089, 5.7707,
17.4320

■ 19.4269, 22.2590,
20.1023

■ 9.1462, 4.9784,
17.3087

■ 21.4042, 25.8086,
20.6833

8.6972, 4.4057,
17.2218

23.5713, 29.7299,
21.3259

8.3413, 4.0114,
17.1645

25.9336, 34.0334,
22.0321

8.1943, 3.8534,
17.1417

28.4964, 38.7292,
22.8034

31.2644, 43.8273,
23.6415

Harmonies

Analogous

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



12.0067, 11.5455, 21.6831



13.3012, 11.5455, 18.3571



13.9875, 11.5455, 13.8861

Triad

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



13.3012, 11.5455, 18.3571



11.4237, 11.5455, 6.1833



8.5532, 11.5455, 15.6655

Complementary

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



13.3012, 11.5455, 18.3571



12.4956, 15.6863, 11.3866

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.



8.4272, 11.5455, 11.3418



13.3012, 11.5455, 18.3571



10.0016, 11.5455, 6.4541

Square

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



13.3012, 11.5455, 18.3571



12.8420, 11.5455, 7.3043



8.9348, 11.5455, 8.1499



9.2959, 11.5455, 19.9051

Rectangle

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



13.3012, 11.5455, 18.3571



13.9694, 11.5455, 11.1098



8.9348, 11.5455, 8.1499



8.4401, 11.5455, 14.1551

Sweetspot

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



13.3016, 11.5460, 18.3574



27.9944, 27.8544, 34.0380



10.9690, 10.9654, 18.3682



6.3602, 6.2715, 7.8043



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3016, 11.5460, 18.3574



22.5534, 18.5480, 32.5284



13.3985, 11.6603, 15.4548



3.7696, 3.7286, 4.6112



9.0172, 4.2399, 18.8857



43.3227, 20.3422, 92.0034

Inverse Universe

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



12.6765, 11.3715, 11.6525



21.2541, 18.1949, 18.1551



12.4498, 15.6122, 13.6670



3.7066, 3.7099, 3.9816



8.2127, 4.2188, 1.0621



39.8002, 20.4702, 4.0111

Previews

White Background



This preview shows how the XYZ color 13.3012, 11.5455, 18.3571 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 13.3012, 11.5455, 18.3571 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 13.3012, 11.5455, 18.3571

Background



This preview shows how black text looks on a background with the XYZ color 13.3012, 11.5455, 18.3571.



This preview shows how white text looks on a background with the XYZ color 13.3012, 11.5455,

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

13.3012, 11.5455, 18.3571

Protanopia

11.7249, 11.7134, 20.0553

Deuteranopia

11.8744, 11.6993, 18.1553



Tritanopia

12.2524, 11.6152, 13.1515

Trichromacy



Original Color

13.3012, 11.5455, 18.3571

Protanomaly

12.1471, 11.5517, 19.3588

Deuteranomaly

12.2603, 11.5098, 18.0984

Tritanomaly

12.6364, 11.6472, 14.9467

Monochromacy



Original Color

13.3012, 11.5455, 18.3571

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.1460, 11.9089, 15.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3012, 11.5455, 18.3571 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(112, 87, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 87, 117)  
}
```

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(112, 87, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 87, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.3012, 11.5455, 18.3571 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(112, 87, 117) }
```


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

```
.border{ border-color:rgb(112, 87, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 87, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 87, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 87, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 87,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3012, 11.5455, 18.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 87, 117) }
```

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

```
.background{ background-color: rgb(112, 87,  
117) }
```

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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