

Converting Colors

XYZ(13.1852, 11.5936, 30.5136)

Have a look what the booklet for
XYZ(13.1852, 11.5936, 30.5136)
contains.

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Color

**XYZ(13.1857, 11.5890,
30.3961)**

Conversions

Conversions Part 1

Format	Color
Hex	585A96
RGB	88, 90, 150
RGB Percent	35%, 35%, 59%
CMY	0.6549, 0.6471, 0.4118
CMYK	0.41, 0.40, 0.00, 0.41
HSL	238°, 26%, 47%
HSV	238°, 41%, 59%
XYZ	13.1857, 11.5890, 30.3961
YIQ	96.2420, -20.4520, 18.2360

Conversions

Conversions Part 2

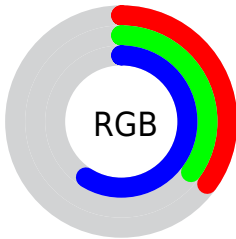
Format	Color
R_{YB}	88, 90, 150
Decimal	5790358
CIE Lab	40.56, 15.06, -33.20
CIE LCh	41, 36.460, 294.403
Yxy	11.5890, 0.2390, 0.2101
Android (android.graphics.Color)	4283980438 (0xFF585A96)
YUV	96.2420, 26.5027, -7.2282
Hunter-Lab	34.0426, 9.5637, -29.1092

Details

The XYZ color **13.1857, 11.5890, 30.3961** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9297, 28.3693, 13.3951**, and the grayscale version is **11.1185, 11.6975, 12.7386**.

A 20% lighter version of the original color is **31.3820, 28.8267, 61.6677**, and **3.9535, 3.1709, 12.2081** is the 20% darker color. If you saturate the color by 10%, you get **10.8020, 8.7168, 29.9676**, and if you desaturate by 10%, it is **16.1016, 15.0910, 30.9186**.

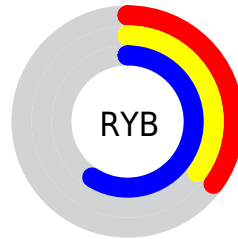
Distribution



Red (35%)

Green (35%)

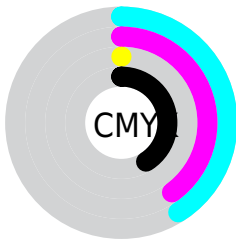
Blue (59%)



Red (35%)

Yellow (35%)

Blue (59%)

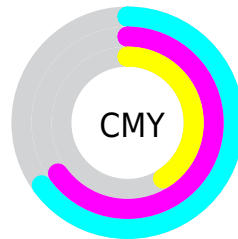


Cyan (41%)

Magenta (40%)

Yellow (0%)

Black (41%)



Cyan (65%)

Magenta (65%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1857, 11.5890, 30.3961 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 13.1857, 11.5890, 30.3961 by changing the saturation by 10% instead.

■ 13.1857, 11.5890,
30.3961

■ 13.1857, 11.5890,
30.3961

205.7180,
201.6650, 318.0110

■ 7.6344, 6.4645,
19.8848

■ 31.2355, 28.7443,
61.3564

■ 3.9118, 3.1295,
12.1281

■ 44.4647, 41.5439,
82.6425

■ 1.6523, 1.1997,
6.7074

■ 60.9839, 57.6706,
108.3574

■ 0.4262, 0.0615,
3.2041

■ 81.1586, 77.5088,
138.9195

■ 0.0000, 0.0000,
1.1998

■ 105.3539,
101.4430, 174.7473

■ 0.0000, 0.0000,
0.0000

133.9354,

129.8575, 216.2595

167.2683,
163.1367, 263.8746

■ 13.1857, 11.5890,
30.3961

■ 13.1857, 11.5890,
30.3961

■ 10.8020, 8.7168,
29.9676

■ 16.1016, 15.0910,
30.9186

■ 8.9172, 6.4357,
29.6266

■ 19.5777, 19.2557,
31.5392

■ 7.4962, 4.7051,
29.3675

■ 23.6416, 24.1152,
32.2630

■ 6.4988, 3.4785,
29.1833

■ 28.3190, 29.6993,
33.0944

■ 5.8781, 2.7016,
29.0660

■ 33.6336, 36.0360,
34.0373

■ 5.5575, 2.3070,
29.0068

■ 39.6081, 43.1516,
35.0959

■ 46.2641, 51.0716,
36.2738

■ 53.6222, 59.8198,
37.5746

■ 61.7020, 69.4194,
39.0016

Harmonies

Analogous

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



10.5399, 11.5890, 32.5982



13.1857, 11.5890, 30.3961



15.5424, 11.5890, 22.7811

Triad

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



13.1857, 11.5890, 30.3961



14.1496, 11.5890, 4.2536



6.7920, 11.5890, 11.2876

Complementary

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



13.1857, 11.5890, 30.3961



24.9297, 28.3693, 13.3951

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.



7.4651, 11.5890, 6.0424



13.1857, 11.5890, 30.3961



11.5041, 11.5890, 3.1233

Square

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



13.1857, 11.5890, 30.3961



16.1568, 11.5890, 7.6274



9.0966, 11.5890, 3.6193



7.0993, 11.5890, 19.4163

Rectangle

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



13.1857, 11.5890, 30.3961



16.4941, 11.5890, 16.8198



9.0966, 11.5890, 3.6193



6.9074, 11.5890, 9.1824

Sweetspot

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



13.1861, 11.5894, 30.3964



41.0290, 41.7297, 56.8134



20.2713, 26.0238, 31.9442



8.9024, 9.0206, 12.5568



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1861, 11.5894, 30.3964



19.1936, 15.5407, 52.9093



16.3225, 12.9594, 30.4955



5.5136, 5.6611, 7.2718



4.6139, 1.9226, 24.0590



0.0595, 0.0295, 0.2955

Inverse Universe

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



17.9133, 14.2023, 11.4703



28.7636, 20.8943, 14.5794



20.5628, 26.5874, 13.2813



5.8079, 5.8182, 6.0947



10.4560, 5.3874, 0.6162



0.1295, 0.0665, 0.0155

Previews

White Background



This preview shows how the XYZ color 13.1857, 11.5890, 30.3961 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 13.1857, 11.5890, 30.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

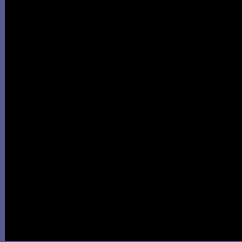
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1857, 11.5890, 30.3961

Background



This preview shows how black text looks on a background with the XYZ color 13.1857, 11.5890, 30.3961.

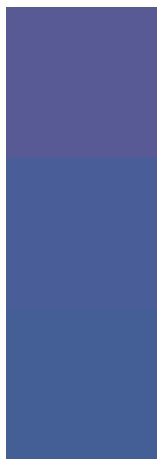


This preview shows how white text looks on a background with the XYZ color 13.1857, 11.5890,

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

13.1857, 11.5890, 30.3961

Protanopia

12.5001, 11.7218, 31.7407

Deuteranopia

11.9009, 11.5833, 30.0423



Tritanopia

10.1762, 11.5630, 15.6055

Trichromacy



Original Color

13.1857, 11.5890, 30.3961

Protanomaly

12.7237, 11.7154, 31.2964

Deuteranomaly

12.2408, 11.4945, 30.0073

Tritanomaly

11.1514, 11.5451, 20.3796

Monochromacy



Original Color

13.1857, 11.5890, 30.3961

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.6693, 11.5935, 18.1457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1857, 11.5890, 30.3961 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(88, 90, 150)` looks like.

```
.text, #text, p{  
    color:rgb(88, 90, 150)  
}
```

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(88, 90, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 90, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.1857, 11.5890, 30.3961 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(88, 90, 150) }
```


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

```
.border{ border-color:rgb(88, 90, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 90, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 90, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 90, 150);  
box-shadow:4px 4px 4px 4px rgb(88, 90,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1857, 11.5890, 30.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 90, 150) }
```

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

```
.background{ background-color: rgb(88, 90,  
150) }
```

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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