

Converting Colors

XYZ(13.6336, 11.5037, 39.0323)

Have a look what the booklet for
XYZ(13.6336, 11.5037, 39.0323)
contains.

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Color

**XYZ(13.6355, 11.5052,
39.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	4B59A9
RGB	75, 89, 169
RGB Percent	29%, 35%, 66%
CMY	0.7059, 0.6510, 0.3373
CMYK	0.56, 0.47, 0.00, 0.34
HSL	231°, 39%, 48%
HSV	231°, 56%, 66%
XYZ	13.6355, 11.5052, 39.0382
YIQ	93.9340, -34.0240, 21.9120

Conversions

Conversions Part 2

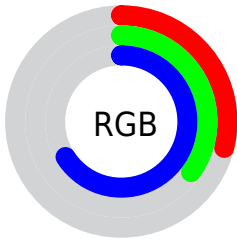
Format	Color
R _Y B	75, 87, 169
Decimal	4938153
CIE Lab	40.42, 18.56, -44.81
CIE LCh	40, 48.501, 292.502
Yxy	11.5052, 0.2125, 0.1793
Android (android.graphics.Color)	4283128233 (0xFF4B59A9)
YUV	93.9340, 37.0075, -16.6051
Hunter-Lab	33.9193, 12.3979, -44.4941

Details

The XYZ color **13.6355, 11.5052, 39.0382** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.3546, 32.3874, 11.3617**, and the grayscale version is **10.5454, 11.0946, 12.0820**.

A 20% lighter version of the original color is **32.0291, 28.6473, 75.0755**, and **4.1031, 3.0881, 16.9028** is the 20% darker color. If you saturate the color by 10%, you get **11.4027, 8.7477, 38.6239**, and if you desaturate by 10%, it is **16.4542, 14.9122, 39.5475**.

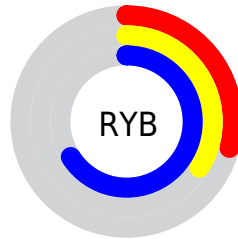
Distribution



Red (29%)

Green (35%)

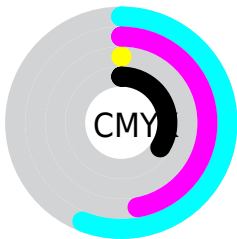
Blue (66%)



Red (29%)

Yellow (34%)

Blue (66%)

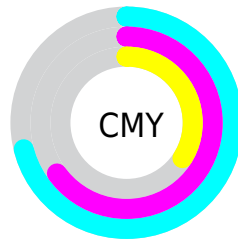


Cyan (56%)

Magenta (47%)

Yellow (0%)

Black (34%)



Cyan (71%)

Magenta (65%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6355, 11.5052, 39.0382 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 13.6355, 11.5052, 39.0382 by changing the saturation by 10% instead.

■ 13.6355, 11.5052,
39.0382

■ 13.6355, 11.5052,
39.0382

208.5076,
201.1015, 357.4837

■ 7.9476, 6.4077,
26.4814

■ 32.0326, 28.5907,
74.9177

■ 4.1130, 3.0946,
16.9551

■ 45.4724, 41.3474,
99.0774

■ 1.7662, 1.1813,
10.0409

■ 62.2270, 57.4261,
127.9418

■ 0.4972, 0.0463,
5.3201

■ 82.6616, 77.2110,
161.9295

■ 0.0000, 0.0000,
2.3743

■ 107.1416,
101.0866, 201.4590

■ 0.0000, 0.0000,
0.7724

136.0324,

■ 0.0000, 0.0000,

129.4373, 246.9488

0.0000

169.6993,
162.6475, 298.8176

■ 13.6355, 11.5052,
39.0382

■ 13.6355, 11.5052,
39.0382

■ 11.4027, 8.7477,
38.6239

■ 16.4542, 14.9122,
39.5475

■ 9.7123, 6.5965,
38.2978

■ 19.8954, 19.0058,
40.1563

■ 8.5166, 5.0048,
38.0535

■ 23.9941, 23.8216,
40.8698

■ 7.7564, 3.9169,
37.8836

■ 28.7826, 29.3923,
41.6927

■ 7.5126, 3.5669,
37.8289

■ 34.2907, 35.7488,
42.6293

■ 40.5468, 42.9200,
43.6837

■ 47.5774, 50.9334,
44.8599

■ 55.4079, 59.8154,
46.1616

■ 64.0625, 69.5911,
47.5924

Harmonies

Analogous

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



10.1036, 11.5052, 41.8031



13.6355, 11.5052, 39.0382



16.9911, 11.5052, 27.7463

Triad

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



13.6355, 11.5052, 39.0382



15.4213, 11.5052, 2.7660



5.6465, 11.5052, 10.2378

Complementary

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



13.6355, 11.5052, 39.0382



29.3546, 32.3874, 11.3617

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.



6.5224, 11.5052, 4.2324



13.6355, 11.5052, 39.0382



11.8115, 11.5052, 1.6196

Square

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



13.6355, 11.5052, 39.0382



18.1624, 11.5052, 6.6370



8.6175, 11.5052, 1.9655



5.9359, 11.5052, 21.1545

Rectangle

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



13.6355, 11.5052, 39.0382



18.4378, 11.5052, 19.0480



8.6175, 11.5052, 1.9655



5.8069, 11.5052, 7.6956

Sweetspot

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



13.6360, 11.5056, 39.0385



50.0131, 50.8607, 74.4062



22.9982, 32.2354, 35.9768



10.5333, 10.6589, 16.1543



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



13.6360, 11.5056, 39.0385



19.5505, 14.5717, 69.0073



15.8505, 11.0795, 38.8395



7.2186, 7.4742, 9.4805



5.6247, 2.7096, 28.2020



0.1628, 0.1179, 0.6948

Inverse Universe

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



20.6819, 14.1892, 11.1001



33.6765, 20.6018, 12.8495



25.6282, 34.1270, 11.8939



7.5749, 7.5598, 8.0789



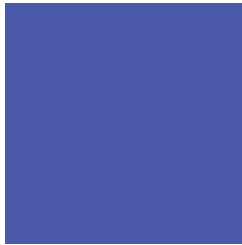
12.3397, 6.3446, 1.3344



0.3133, 0.1596, 0.1015

Previews

White Background



This preview shows how the XYZ color 13.6355, 11.5052, 39.0382 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 13.6355, 11.5052, 39.0382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

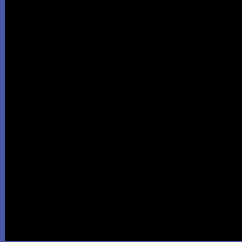
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6355, 11.5052, 39.0382

Background



This preview shows how black text looks on a background with the XYZ color 13.6355, 11.5052, 39.0382.



This preview shows how white text looks on a background with the XYZ color 13.6355, 11.5052,

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

13.6355, 11.5052, 39.0382

Protanopia

12.9044, 11.4736, 40.5642

Deuteranopia

11.7536, 11.4628, 38.1523



Tritanopia

9.1877, 11.6051, 16.7947

Trichromacy



Original Color

13.6355, 11.5052, 39.0382

Protanomaly

13.1417, 11.4792, 40.0511

Deuteranomaly

12.2012, 11.2842, 38.5808

Tritanomaly

10.4570, 11.3934, 23.4778

Monochromacy



Original Color

13.6355, 11.5052, 39.0382

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.2088, 11.0610, 19.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6355, 11.5052, 39.0382 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(75, 89, 169)` looks like.

```
.text, #text, p{  
    color:rgb(75, 89, 169)  
}
```

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(75, 89, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 89, 169) }
```

Border

The CSS property to change the border of an element to XYZ 13.6355, 11.5052, 39.0382 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(75, 89, 169) }
```


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

```
.border{ border-color:rgb(75, 89, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 89, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 89, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 89, 169);  
box-shadow:4px 4px 4px 4px rgb(75, 89,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6355, 11.5052, 39.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 89, 169) }
```

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

```
.background{ background-color: rgb(75, 89,  
169) }
```

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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