

Converting Colors

XYZ(16.6159, 13.8394, 39.5750)

Have a look what the booklet for
XYZ(16.6159, 13.8394, 39.5750)
contains.

XYZ(16.5092, 13.7583, 39.3216)	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(16.5092, 13.7583,
39.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	645FA9
RGB	100, 95, 169
RGB Percent	39%, 37%, 66%
CMY	0.6078, 0.6274, 0.3373
CMYK	0.41, 0.44, 0.00, 0.34
HSL	244°, 30%, 52%
HSV	244°, 44%, 66%
XYZ	16.5092, 13.7583, 39.3216
YIQ	104.9310, -20.7740, 24.0740

Conversions

Conversions Part 2

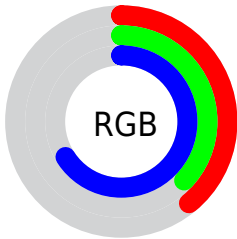
Format	Color
R_{YB}	100, 95, 169
Decimal	6578089
CIE _{Lab}	43.88, 20.85, -39.18
CIE _{LCh}	44, 44.381, 298.026
Yxy	13.7583, 0.2372, 0.1977
Android (android.graphics.Color)	4284768169 (0xFF645FA9)
YUV	104.9310, 31.5860, -4.3245
Hunter-Lab	37.0922, 14.5365, -36.8891

Details

The XYZ color **16.5092, 13.7583, 39.3216** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.5632, 37.0947, 16.3233**, and the grayscale version is **13.3303, 14.0246, 15.2727**.

A 20% lighter version of the original color is **37.0424, 32.5571, 75.5660**, and **5.4230, 4.0619, 17.0212** is the 20% darker color. If you saturate the color by 10%, you get **13.5713, 10.2240, 38.7945**, and if you desaturate by 10%, it is **20.1155, 18.1279, 39.9752**.

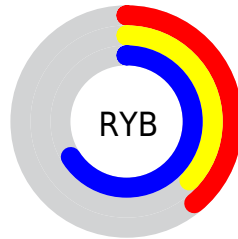
Distribution



Red (39%)

Green (37%)

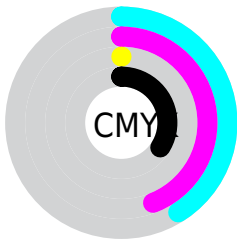
Blue (66%)



Red (39%)

Yellow (37%)

Blue (66%)

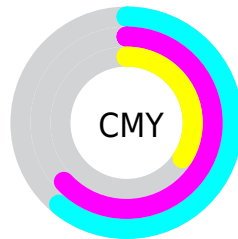


Cyan (41%)

Magenta (44%)

Yellow (0%)

Black (34%)



Cyan (61%)

Magenta (63%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5092, 13.7583, 39.3216 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 16.5092, 13.7583, 39.3216 by changing the saturation by 10% instead.

■ 16.5092, 13.7583,
39.3216

■ 16.5092, 13.7583,
39.3216

225.5397,
215.7220, 358.7226

■ 9.9783, 7.9528,
26.7003

■ 37.0303, 32.6595,
75.3551

■ 5.4467, 4.0647,
17.1178

■ 51.7513, 46.5240,
99.6043

■ 2.5491, 1.7098,
10.1557

■ 69.9329, 63.8436,
128.5666

■ 0.9201, 0.4300,
5.3953

■ 91.9407, 85.0027,
162.6605

■ 0.0000, 0.0000,
2.4183

118.1399,
110.3857, 202.3045

■ 0.0000, 0.0000,
0.7964

148.8959,

■ 0.0000, 0.0000,

140.3770, 247.9171

0.0000

184.5741,
175.3609, 299.9170

■ 16.5092, 13.7583,
39.3216

■ 16.5092, 13.7583,
39.3216

■ 13.5713, 10.2240,
38.7945

■ 20.1155, 18.1279,
39.9752

■ 11.2591, 7.4702,
38.3849

■ 24.4263, 23.3797,
40.7617

■ 9.5275, 5.4381,
38.0839

■ 29.4767, 29.5591,
41.6883

■ 8.3247, 4.0598,
37.8812

■ 35.2993, 36.7079,
42.7612

■ 7.5893, 3.2544,
37.7645

■ 41.9247, 44.8652,
43.9866

■ 7.3052, 2.9387,
37.7186

■ 49.3816, 54.0681,
45.3699

■ 57.6976, 64.3519,
46.9165

■ 66.8989, 75.7499,
48.6316

■ 77.0105, 88.2943,
50.5200

Harmonies

Analogous

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



12.8459, 13.7583, 43.7682



16.5092, 13.7583, 39.3216



19.6739, 13.7583, 27.7149

Triad

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



16.5092, 13.7583, 39.3216



16.9837, 13.7583, 3.8424



7.4277, 13.7583, 14.3249

Complementary

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



16.5092, 13.7583, 39.3216



31.5632, 37.0947, 16.3233

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.



8.1489, 13.7583, 6.9028



16.5092, 13.7583, 39.3216



13.3106, 13.7583, 2.7803

Square

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



16.5092, 13.7583, 39.3216



19.9805, 13.7583, 7.6134



10.1566, 13.7583, 3.5800



7.9806, 13.7583, 26.0141

Rectangle

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



16.5092, 13.7583, 39.3216



20.8474, 13.7583, 19.3563



10.1566, 13.7583, 3.5800



7.5260, 13.7583, 11.3195

Sweetspot

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



16.5097, 13.7588, 39.3219



53.3315, 53.6012, 74.7603



25.1684, 31.8726, 42.3619



11.1756, 11.1333, 16.2121



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.



16.5097, 13.7588, 39.3219



24.2295, 18.2197, 69.4648



21.5596, 16.3621, 39.5583



7.1770, 7.3239, 9.4537



5.4625, 2.1995, 28.1121



0.1471, 0.0608, 0.6846

Inverse Universe

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



27.1553, 19.3000, 37.4153



45.9746, 29.5467, 65.1998



25.0162, 33.7196, 16.0169



7.8197, 7.6577, 9.3677



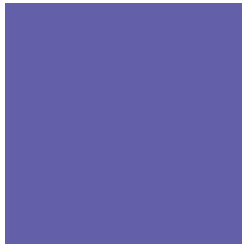
16.7751, 8.1187, 24.6907



0.4144, 0.2000, 0.6338

Previews

White Background



This preview shows how the XYZ color 16.5092, 13.7583, 39.3216 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 16.5092, 13.7583, 39.3216 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 16.5092, 13.7583, 39.3216

Background



This preview shows how black text looks on a background with the XYZ color 16.5092, 13.7583, 39.3216.



This preview shows how white text looks on a background with the XYZ color 16.5092, 13.7583,

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

16.5092, 13.7583, 39.3216

Protanopia

15.1392, 13.8190, 42.4268

Deuteranopia

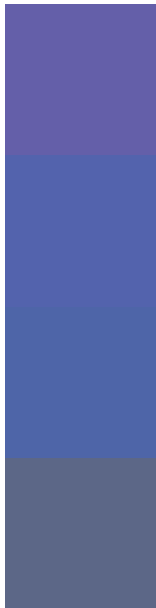
14.1721, 13.8489, 38.4854



Tritanopia

12.2827, 13.7794, 18.2320

Trichromacy



Original Color

16.5092, 13.7583, 39.3216

Protanomaly

15.5719, 13.7798, 41.3742

Deuteranomaly

14.8634, 13.7542, 38.9172

Tritanomaly

13.6371, 13.7251, 24.8521

Monochromacy



Original Color

16.5092, 13.7583, 39.3216

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.1435, 13.7494, 22.3305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5092, 13.7583, 39.3216 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(100, 95, 169)` looks like.

```
.text, #text, p{  
    color:rgb(100, 95, 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(100, 95, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 95, 169) }
```

Border

The CSS property to change the border of an element to XYZ 16.5092, 13.7583, 39.3216 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(100, 95, 169) }
```


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

```
.border{ border-color:rgb(100, 95, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 95, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 95, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 95, 169); box-shadow:4px 4px 4px 4px rgb(100, 95, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5092, 13.7583, 39.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 95, 169) }
```

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

```
.background{ background-color: rgb(100, 95,  
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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