

Converting Colors

XYZ(16.5820, 13.8046, 39.6895)

Have a look what the booklet for
XYZ(16.5820, 13.8046, 39.6895)
contains.

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Color

**XYZ(16.6034, 13.7960,
39.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	645FAA
RGB	100, 95, 170
RGB Percent	39%, 37%, 67%
CMY	0.6078, 0.6274, 0.3333
CMYK	0.41, 0.44, 0.00, 0.33
HSL	244°, 31%, 52%
HSV	244°, 44%, 67%
XYZ	16.6034, 13.7960, 39.8180
YIQ	105.0450, -21.0950, 24.3850

Conversions

Conversions Part 2

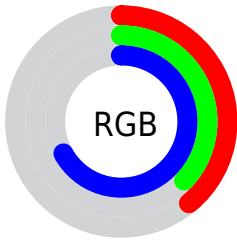
Format	Color
R_{YB}	100, 95, 170
Decimal	6578090
CIE _{Lab}	43.94, 21.15, -39.68
CIE _{LCh}	44, 44.963, 298.056
Yxy	13.7960, 0.2365, 0.1965
Android (android.graphics.Color)	4284768170 (0xFF645FAA)
YUV	105.0450, 32.0228, -4.4245
Hunter-Lab	37.1430, 14.7917, -37.5600

Details

The XYZ color **16.6034, 13.7960, 39.8180** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9574, 37.5752, 16.3953**, and the grayscale version is **13.3600, 14.0558, 15.3067**.

A 20% lighter version of the original color is **37.1793, 32.6118, 76.2867**, and **5.4815, 4.0853, 17.3293** is the 20% darker color. If you saturate the color by 10%, you get **13.6486, 10.2424, 39.2881**, and if you desaturate by 10%, it is **20.2352, 18.1951, 40.4760**.

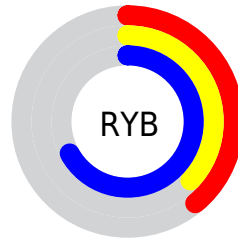
Distribution



Red (39%)

Green (37%)

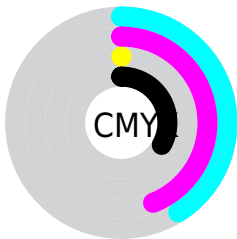
Blue (67%)



Red (39%)

Yellow (37%)

Blue (67%)

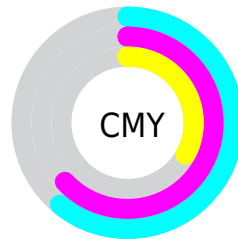


Cyan (41%)

Magenta (44%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (63%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6034, 13.7960, 39.8180 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 16.6034, 13.7960, 39.8180 by changing the saturation by 10% instead.

■ 16.6034, 13.7960,
39.8180

■ 16.6034, 13.7960,
39.8180

226.0775,
215.9580, 360.8851

■ 10.0457, 7.9789,
27.0840

■ 37.1917, 32.7266,
76.1203

■ 5.4918, 4.0815,
17.4033

■ 51.9529, 46.6089,
100.5257

■ 2.5763, 1.7192,
10.3575

■ 70.1794, 63.9485,
129.6587

■ 0.9339, 0.4361,
5.5279

■ 92.2364, 85.1296,
163.9376

■ 0.0000, 0.0000,
2.4961

118.4894,
110.5367, 203.7812

■ 0.0000, 0.0000,
0.8381

149.3037,

■ 0.0000, 0.0000,

140.5542, 249.6080

0.0000

185.0446,
175.5665, 301.8365

■ 16.6034, 13.7960,
39.8180

■ 16.6034, 13.7960,
39.8180

■ 13.6486, 10.2424,
39.2881

■ 20.2352, 18.1951,
40.4760

■ 11.3273, 7.4786,
38.8770

■ 24.5807, 23.4875,
41.2685

■ 9.5935, 5.4446,
38.5757

■ 29.6758, 29.7195,
42.2028

■ 8.3942, 4.0710,
38.3738

■ 35.5536, 36.9334,
43.2855

■ 7.6666, 3.2753,
38.2586

■ 42.2453, 45.1693,
44.5224

■ 7.3983, 2.9758,
38.2149

■ 49.7802, 54.4646,
45.9195

■ 58.1862, 64.8554,
47.4821

■ 67.4901, 76.3755,
49.2153

■ 77.7172, 89.0576,
51.1242

Harmonies

Analogous

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



12.8818, 13.7960, 44.3728



16.6034, 13.7960, 39.8180



19.8222, 13.7960, 27.9665

Triad

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



16.6034, 13.7960, 39.8180



17.0787, 13.7960, 3.7705



7.3916, 13.7960, 14.3661

Complementary

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



16.6034, 13.7960, 39.8180



31.9574, 37.5752, 16.3953

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.



8.1190, 13.7960, 6.8525



16.6034, 13.7960, 39.8180



13.3463, 13.7960, 2.7117

Square

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



16.6034, 13.7960, 39.8180



20.1297, 13.7960, 7.5581



10.1491, 13.7960, 3.5120



7.9514, 13.7960, 26.2590

Rectangle

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



16.6034, 13.7960, 39.8180



21.0157, 13.7960, 19.4556



10.1491, 13.7960, 3.5120



7.4905, 13.7960, 11.3182

Sweetspot

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



16.6039, 13.7965, 39.8183



54.7251, 55.0031, 76.7342



25.4305, 32.2458, 42.9142



11.7263, 11.6807, 17.0242



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.6039, 13.7965, 39.8183



24.8383, 18.6728, 71.2970



21.7470, 16.4478, 40.0590



7.1764, 7.3235, 9.4537



5.4608, 2.1986, 28.1120



0.1469, 0.0607, 0.6846

Inverse Universe

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



27.4615, 19.4474, 37.9034



47.1946, 30.3164, 66.9888



25.2677, 34.1265, 16.0822



7.8200, 7.6579, 9.3693



16.7848, 8.1226, 24.7422



0.4146, 0.2001, 0.6346

Previews

White Background



This preview shows how the XYZ color 16.6034, 13.7960, 39.8180 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 16.6034, 13.7960, 39.8180 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 16.6034, 13.7960, 39.8180

Background



This preview shows how black text looks on a background with the XYZ color 16.6034, 13.7960, 39.8180.



This preview shows how white text looks on a background with the XYZ color 16.6034, 13.7960,

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

16.6034, 13.7960, 39.8180

Protanopia

15.1626, 13.8197, 42.9426

Deuteranopia

14.1982, 13.8516, 38.9711



Tritanopia

12.3406, 13.8026, 18.5367

Trichromacy



Original Color

16.6034, 13.7960, 39.8180

Protanomaly

15.5815, 13.7735, 41.8817

Deuteranomaly

14.9570, 13.7916, 39.4098

Tritanomaly

13.7078, 13.7534, 25.2247

Monochromacy



Original Color

16.6034, 13.7960, 39.8180

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2096, 13.7759, 22.6790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6034, 13.7960, 39.8180 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(100, 95, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 95, 170) }
```

Border

The CSS property to change the border of an element to XYZ 16.6034, 13.7960, 39.8180 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, 170) }
```


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

```
.border{ border-color:rgb(100, 95, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 95, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 95, 170);  
box-shadow:4px 4px 4px 4px rgb(100, 95,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6034, 13.7960, 39.8180 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, 170) }
```

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

```
.background{ background-color: rgb(100, 95,  
170) }
```

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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