

Converting Colors

XYZ(16.1381, 14.1535, 39.6764)

Have a look what the booklet for
XYZ(16.1381, 14.1535, 39.6764)
contains.

XYZ(16.1312, 14.1013, 39.9018)	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(16.1312, 14.1013,
39.9018)**

Conversions

Conversions Part 1

Format	Color
Hex	5C63AA
RGB	92, 99, 170
RGB Percent	36%, 39%, 67%
CMY	0.6392, 0.6118, 0.3333
CMYK	0.46, 0.42, 0.00, 0.33
HSL	235°, 31%, 51%
HSV	235°, 46%, 67%
XYZ	16.1312, 14.1013, 39.9018
YIQ	105.0010, -26.9630, 20.5970

Conversions

Conversions Part 2

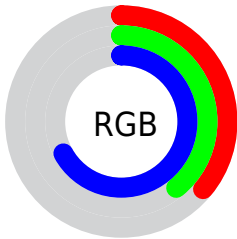
Format	Color
R_{YB}	92, 98, 170
Decimal	6054826
CIE _{Lab}	44.38, 16.58, -39.02
CIE _{LCh}	44, 42.399, 293.020
Yxy	14.1013, 0.2300, 0.2011
Android (android.graphics.Color)	4284244906 (0xFF5C63AA)
YUV	105.0010, 32.0445, -11.4019
Hunter-Lab	37.5517, 10.9633, -36.7144

Details

The XYZ color **16.1312, 14.1013, 39.9018** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.6073, 35.5142, 15.3151**, and the grayscale version is **13.3493, 14.0445, 15.2944**.

A 20% lighter version of the original color is **36.4879, 33.4147, 76.4781**, and **5.2469, 4.2239, 17.3684** is the 20% darker color. If you saturate the color by 10%, you get **13.2914, 10.6657, 39.3886**, and if you desaturate by 10%, it is **19.6341, 18.2961, 40.5271**.

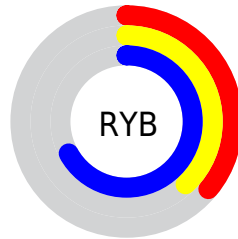
Distribution



Red (36%)

Green (39%)

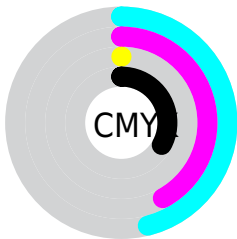
Blue (67%)



Red (36%)

Yellow (38%)

Blue (67%)

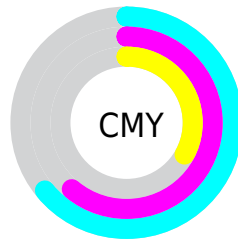


Cyan (46%)

Magenta (42%)

Yellow (0%)

Black (33%)



Cyan (64%)

Magenta (61%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1312, 14.1013, 39.9018 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 16.1312, 14.1013, 39.9018 by changing the saturation by 10% instead.

■ 16.1312, 14.1013,
39.9018

■ 16.1312, 14.1013,
39.9018

223.3699,
217.8601, 361.2493

■ 9.7085, 8.1912,
27.1488

■ 36.3814, 33.2687,
76.2494

■ 5.2669, 4.2175,
17.4516

■ 50.9397, 47.2947,
100.6811

■ 2.4410, 1.7960,
10.3916

■ 68.9404, 64.7947,
129.8427

■ 0.8656, 0.4847,
5.5504

■ 90.7491, 86.1533,
164.1529

■ 0.0000, 0.0000,
2.5093

116.7310,
111.7547, 204.0300

■ 0.0000, 0.0000,
0.8451

147.2515,

■ 0.0000, 0.0000,

141.9834, 249.8928

0.0000

182.6760,
177.2237, 302.1597

■ 16.1312, 14.1013,
39.9018

■ 16.1312, 14.1013,
39.9018

■ 13.2914, 10.6657,
39.3886

■ 19.6341, 18.2961,
40.5271

■ 11.0712, 7.9425,
38.9800

■ 23.8366, 23.2905,
41.2697

■ 9.4243, 5.8816,
38.6690

■ 28.7747, 29.1235,
42.1353

■ 8.2973, 4.4261,
38.4475

■ 34.4813, 35.8314,
43.1293

■ 7.6233, 3.5072,
38.3056

■ 40.9872, 43.4481,
44.2565

■ 7.4302, 3.2511,
38.2664

■ 48.3217, 52.0058,
45.5218

■ 56.5126, 61.5352,
46.9294

■ 65.5862, 72.0655,
48.4837

■ 75.5680, 83.6247,
50.1888

Harmonies

Analogous

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



12.6225, 14.1013, 42.5181



16.1312, 14.1013, 39.9018



19.3464, 14.1013, 29.6297

Triad

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



16.1312, 14.1013, 39.9018



17.7421, 14.1013, 4.7144



7.8955, 14.1013, 13.1851

Complementary

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



16.1312, 14.1013, 39.9018



31.6073, 35.5142, 15.3151

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.



8.8214, 14.1013, 6.6079



16.1312, 14.1013, 39.9018



14.2148, 14.1013, 3.2461

Square

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



16.1312, 14.1013, 39.9018



20.3811, 14.1013, 9.1240



11.0009, 14.1013, 3.7511



8.2327, 14.1013, 23.9209

Rectangle

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



16.1312, 14.1013, 39.9018



20.6948, 14.1013, 21.5101



11.0009, 14.1013, 3.7511



8.0633, 14.1013, 10.5010

Sweetspot

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



16.1317, 14.1018, 39.9021



53.7960, 54.7110, 76.7268



25.3283, 33.6409, 39.4345



11.5403, 11.6632, 17.0307



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.



16.1317, 14.1018, 39.9021



24.0622, 19.2866, 71.4564



19.2806, 14.7831, 39.8677



7.1839, 7.4048, 9.4690



5.4848, 2.4297, 28.1554



0.1497, 0.0917, 0.6905

Inverse Universe

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



22.6574, 17.1019, 13.9116



37.4765, 25.7310, 17.9669



26.9211, 34.9943, 15.4618



7.5574, 7.5528, 7.9867



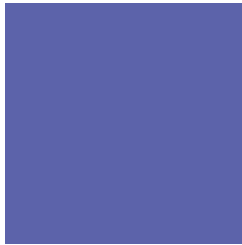
12.2691, 6.3163, 0.9625



0.3067, 0.1570, 0.0667

Previews

White Background



This preview shows how the XYZ color 16.1312, 14.1013, 39.9018 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 16.1312, 14.1013, 39.9018 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 16.1312, 14.1013, 39.9018

Background



This preview shows how black text looks on a background with the XYZ color 16.1312, 14.1013, 39.9018.

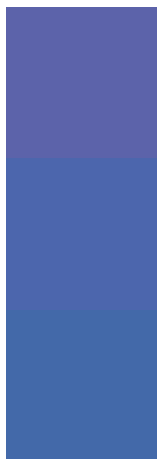


This preview shows how white text looks on a background with the XYZ color 16.1312, 14.1013,

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

16.1312, 14.1013, 39.9018

Protanopia

15.2747, 14.0564, 41.4433

Deuteranopia

14.5277, 14.1610, 39.5038



Tritanopia

12.0476, 14.1035, 19.5400

Trichromacy



Original Color

16.1312, 14.1013, 39.9018

Protanomaly

15.5797, 14.0798, 40.9262

Deuteranomaly

14.9922, 14.1016, 39.4678

Tritanomaly

13.3088, 13.9820, 26.0421

Monochromacy



Original Color

16.1312, 14.1013, 39.9018

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0682, 13.9948, 22.7287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1312, 14.1013, 39.9018 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(92, 99, 170)` looks like.

```
.text, #text, p{  
    color:rgb(92, 99, 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(92, 99, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 99, 170) }
```

Border

The CSS property to change the border of an element to XYZ 16.1312, 14.1013, 39.9018 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(92, 99, 170) }
```


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

```
.border{ border-color:rgb(92, 99, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 99, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 99, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 99, 170);  
box-shadow:4px 4px 4px 4px rgb(92, 99,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1312, 14.1013, 39.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 99, 170) }
```

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

```
.background{ background-color: rgb(92, 99,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor