

Converting Colors

XYZ(16.3740, 14.1840, 40.1063)

Have a look what the booklet for
XYZ(16.3740, 14.1840, 40.1063)
contains.

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Color

**XYZ(16.3336, 14.2056,
39.9113)**

Conversions

Conversions Part 1

Format	Color
Hex	5E63AA
RGB	94, 99, 170
RGB Percent	37%, 39%, 67%
CMY	0.6314, 0.6118, 0.3333
CMYK	0.45, 0.42, 0.00, 0.33
HSL	236°, 31%, 52%
HSV	236°, 45%, 67%
XYZ	16.3336, 14.2056, 39.9113
YIQ	105.5990, -25.7710, 21.0210

Conversions

Conversions Part 2

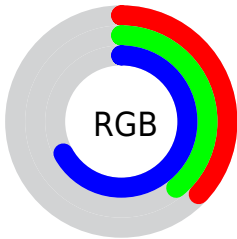
Format	Color
R_{YB}	94, 99, 170
Decimal	6185898
CIE _{Lab}	44.53, 17.09, -38.78
CIE _{LCh}	45, 42.378, 293.788
Yxy	14.2056, 0.2318, 0.2016
Android (android.graphics.Color)	4284375978 (0xFF5E63AA)
YUV	105.5990, 31.7497, -10.1723
Hunter-Lab	37.6903, 11.3973, -36.4006

Details

The XYZ color **16.3336, 14.2056, 39.9113** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.0538, 36.2654, 15.9009**, and the grayscale version is **13.5117, 14.2153, 15.4805**.

A 20% lighter version of the original color is **36.8466, 33.5996, 76.4948**, and **5.3591, 4.2817, 17.3736** is the 20% darker color. If you saturate the color by 10%, you get **13.4190, 10.6850, 39.3857**, and if you desaturate by 10%, it is **19.9292, 18.5169, 40.5542**.

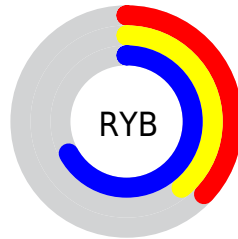
Distribution



Red (37%)

Green (39%)

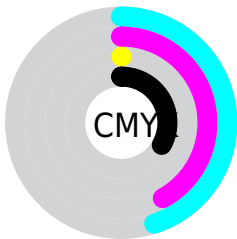
Blue (67%)



Red (37%)

Yellow (39%)

Blue (67%)

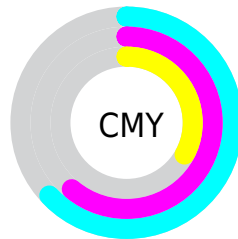


Cyan (45%)

Magenta (42%)

Yellow (0%)

Black (33%)



Cyan (63%)

Magenta (61%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3336, 14.2056, 39.9113 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 16.3336, 14.2056, 39.9113 by changing the saturation by 10% instead.

■ 16.3336, 14.2056,
39.9113

■ 16.3336, 14.2056,
39.9113

224.5342,
218.5061, 361.2905

■ 9.8529, 8.2638,
27.1561

■ 36.7292, 33.4534,
76.2640

■ 5.3630, 4.2642,
17.4570

■ 51.3747, 47.5282,
100.6987

■ 2.4987, 1.8224,
10.3955

■ 69.4726, 65.0827,
129.8636

■ 0.8946, 0.5011,
5.5529

■ 91.3881, 86.5015,
164.1772

■ 0.0000, 0.0000,
2.5108

117.4867,
112.1688, 204.0582

■ 0.0000, 0.0000,
0.8459

148.1337,

■ 0.0000, 0.0000,

142.4691, 249.9251

0.0000

183.6944,
177.7867, 302.1963

■ 16.3336, 14.2056,
39.9113

■ 16.3336, 14.2056,
39.9113

■ 13.4190, 10.6850,
39.3857

■ 19.9292, 18.5169,
40.5542

■ 11.1407, 7.9057,
38.9693

■ 24.2432, 23.6614,
41.3199

■ 9.4516, 5.8148,
38.6547

■ 29.3124, 29.6803,
42.2144

■ 8.2969, 4.3521,
38.4332

■ 35.1705, 36.6116,
43.2436

■ 7.6115, 3.4464,
38.2946

■ 41.8493, 44.4912,
44.4125

■ 7.3775, 3.1458,
38.2489

■ 49.3788, 53.3528,
45.7261

■ 57.7873, 63.2288,
47.1892

■ 67.1020, 74.1498,
48.8062

■ 77.3489, 86.1453,
50.5815

Harmonies

Analogous

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



12.8025, 14.2056, 42.7809



16.3336, 14.2056, 39.9113



19.5369, 14.2056, 29.4843

Triad

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



16.3336, 14.2056, 39.9113



17.7741, 14.2056, 4.7012



7.9604, 14.2056, 13.5167

Complementary

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



16.3336, 14.2056, 39.9113



32.0538, 36.2654, 15.9009

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.



8.8586, 14.2056, 6.7923



16.3336, 14.2056, 39.9113



14.2266, 14.2056, 3.2794

Square

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



16.3336, 14.2056, 39.9113



20.4619, 14.2056, 9.0438



11.0182, 14.2056, 3.8383



8.3319, 14.2056, 24.3811

Rectangle

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



16.3336, 14.2056, 39.9113



20.8567, 14.2056, 21.3476



11.0182, 14.2056, 3.8383



8.1182, 14.2056, 10.7804

Sweetspot

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



16.3342, 14.2061, 39.9116



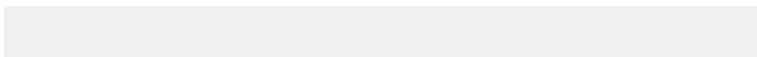
54.6536, 55.5928, 76.8518



25.7768, 33.8437, 40.7398



11.7083, 11.8290, 17.0538



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.



16.3342, 14.2061, 39.9116



24.2184, 19.2304, 71.4373



20.0015, 15.4153, 39.9518



7.1700, 7.3768, 9.4643



5.4430, 2.3461, 28.1415



0.1444, 0.0811, 0.6887

Inverse Universe

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



22.8329, 17.4530, 13.9701



37.6453, 26.1430, 17.7938



26.7231, 34.8820, 15.9149



7.5504, 7.5500, 7.9495



12.2480, 6.3079, 0.8513



0.3040, 0.1559, 0.0526

Previews

White Background



This preview shows how the XYZ color 16.3336, 14.2056, 39.9113 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 16.3336, 14.2056, 39.9113 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 16.3336, 14.2056, 39.9113

Background



This preview shows how black text looks on a background with the XYZ color 16.3336, 14.2056, 39.9113.

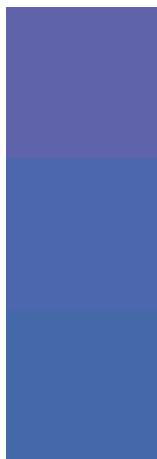


This preview shows how white text looks on a background with the XYZ color 16.3336, 14.2056,

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

16.3336, 14.2056, 39.9113

Protanopia

15.4707, 14.2930, 41.9878

Deuteranopia

14.5969, 14.1967, 39.5070



Tritanopia

12.2140, 14.1892, 19.5478

Trichromacy



Original Color

16.3336, 14.2056, 39.9113

Protanomaly

15.8615, 14.3589, 41.4707

Deuteranomaly

15.0722, 14.1428, 39.4716

Tritanomaly

13.4878, 14.0743, 26.0505

Monochromacy



Original Color

16.3336, 14.2056, 39.9113

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2922, 14.1103, 22.7392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3336, 14.2056, 39.9113 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(94, 99, 170)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 99, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 99, 170) }
```

Border

The CSS property to change the border of an element to XYZ 16.3336, 14.2056, 39.9113 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(94, 99, 170) }
```


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

```
.border{ border-color:rgb(94, 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(94, 99, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 99, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 99, 170);  
box-shadow:4px 4px 4px 4px rgb(94, 99,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3336, 14.2056, 39.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 99, 170) }
```

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

```
.background{ background-color: rgb(94, 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](#).

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