

Converting Colors

XYZ(16.3103, 14.1711, 42.2055)

Have a look what the booklet for
XYZ(16.3103, 14.1711, 42.2055)
contains.

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Color

**XYZ(16.3195, 14.1427,
42.4271)**

Conversions

Conversions Part 1

Format	Color
Hex	5963AF
RGB	89, 99, 175
RGB Percent	35%, 39%, 69%
CMY	0.6510, 0.6118, 0.3137
CMYK	0.49, 0.43, 0.00, 0.31
HSL	233°, 35%, 52%
HSV	233°, 49%, 69%
XYZ	16.3195, 14.1427, 42.4271
YIQ	104.6740, -30.3560, 21.5160

Conversions

Conversions Part 2

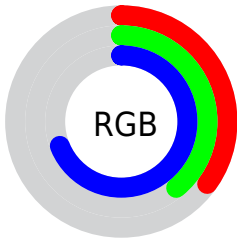
Format	Color
R _Y B	89, 98, 175
Decimal	5858223
CIE Lab	44.44, 17.40, -41.88
CIE LCh	44, 45.349, 292.561
Yxy	14.1427, 0.2239, 0.1940
Android (android.graphics.Color)	4284048303 (0xFF5963AF)
YUV	104.6740, 34.6707, -13.7461
Hunter-Lab	37.6068, 11.6484, -40.5649

Details

The XYZ color **16.3195, 14.1427, 42.4271** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.9382, 36.7464, 14.8087**, and the grayscale version is **13.2550, 13.9453, 15.1864**.

A 20% lighter version of the original color is **36.8318, 33.5115, 80.1284**, and **5.3816, 4.2584, 18.9507** is the 20% darker color. If you saturate the color by 10%, you get **13.5080, 10.7228, 41.9155**, and if you desaturate by 10%, it is **19.8119, 18.3306, 43.0517**.

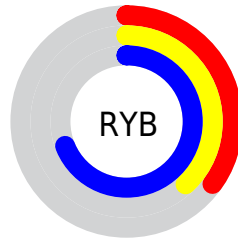
Distribution



Red (35%)

Green (39%)

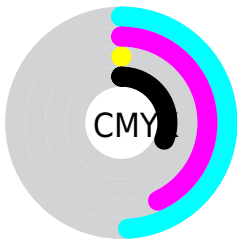
Blue (69%)



Red (35%)

Yellow (38%)

Blue (69%)

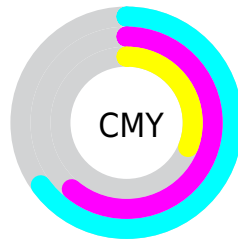


Cyan (49%)

Magenta (43%)

Yellow (0%)

Black (31%)



Cyan (65%)

Magenta (61%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3195, 14.1427, 42.4271 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 16.3195, 14.1427, 42.4271 by changing the saturation by 10% instead.

■ 16.3195, 14.1427,
42.4271

■ 16.3195, 14.1427,
42.4271

224.4532,
218.1168, 372.1021

■ 9.8428, 8.2200,
29.1078

■ 36.7050, 33.3420,
80.1227

■ 5.3563, 4.2360,
18.9161

■ 51.3445, 47.3874,
105.3360

■ 2.4947, 1.8065,
11.4335

■ 69.4356, 64.9091,
135.3511

■ 0.8926, 0.4912,
6.2414

■ 91.3437, 86.2916,
170.5866

■ 0.0000, 0.0000,
2.9212

117.4342,
111.9192, 211.4608

■ 0.0000, 0.0000,
1.0546

148.0723,

■ 0.0000, 0.0000,

142.1763, 258.3925

0.0000

183.6236,
177.4474, 311.8001

■ 16.3195, 14.1427,
42.4271

■ 16.3195, 14.1427,
42.4271

■ 13.5080, 10.7228,
41.9155

■ 19.8119, 18.3306,
43.0517

■ 11.3308, 8.0223,
41.5090

■ 24.0243, 23.3278,
43.7942

■ 9.7383, 5.9897,
41.2006

■ 28.9946, 29.1748,
44.6608

■ 8.6725, 4.5655,
40.9818

■ 34.7577, 35.9085,
45.6568

■ 8.0375, 3.6663,
40.8418

■ 41.3464, 43.5639,
46.7872

■ 7.9942, 3.6078,
40.8327

■ 48.7915, 52.1740,
48.0567

■ 57.1223, 61.7702,
49.4699

■ 66.3665, 72.3824,
51.0310

■ 76.5510, 84.0394,
52.7443

Harmonies

Analogous

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



12.5536, 14.1427, 45.1757



16.3195, 14.1427, 42.4271



19.8222, 14.1427, 31.1401

Triad

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



16.3195, 14.1427, 42.4271



18.1774, 14.1427, 4.3163



7.6136, 14.1427, 12.9399

Complementary

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



16.3195, 14.1427, 42.4271



32.9382, 36.7464, 14.8087

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.



8.6032, 14.1427, 6.1252



16.3195, 14.1427, 42.4271



14.3718, 14.1427, 2.8287

Square

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



16.3195, 14.1427, 42.4271



21.0232, 14.1427, 8.9016



10.9247, 14.1427, 3.2947



7.9456, 14.1427, 24.4723

Rectangle

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



16.3195, 14.1427, 42.4271



21.3136, 14.1427, 22.2444



10.9247, 14.1427, 3.2947



7.7955, 14.1427, 10.1254

Sweetspot

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



16.3201, 14.1432, 42.4275



55.7627, 56.7400, 80.6498



26.2388, 35.4996, 41.0510



11.9343, 12.0734, 17.8457



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.3201, 14.1432, 42.4275



23.8053, 18.7288, 74.9972



19.3322, 14.3758, 42.3136



7.6511, 7.9016, 10.0746



5.7495, 2.6329, 29.2497



0.1831, 0.1196, 0.8214

Inverse Universe

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



23.5042, 17.1602, 13.8783



38.3212, 25.2561, 17.2154



28.2947, 37.1353, 15.1285



8.0417, 8.0299, 8.5305



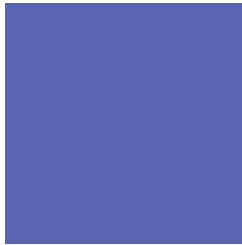
12.7657, 6.5688, 1.1458



0.3668, 0.1874, 0.0935

Previews

White Background



This preview shows how the XYZ color 16.3195, 14.1427, 42.4271 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 16.3195, 14.1427, 42.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

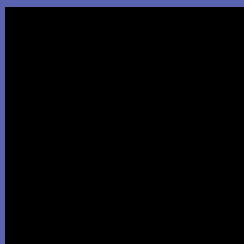
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3195, 14.1427, 42.4271

Background



This preview shows how black text looks on a background with the XYZ color 16.3195, 14.1427, 42.4271.

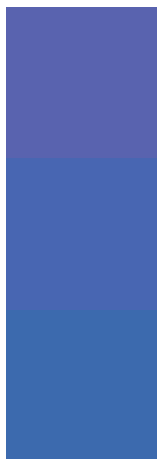


This preview shows how white text looks on a background with the XYZ color 16.3195, 14.1427,

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

16.3195, 14.1427, 42.4271

Protanopia

15.4597, 14.0948, 44.0252

Deuteranopia

14.6575, 14.3247, 42.0368



Tritanopia

11.7471, 14.1027, 19.8722

Trichromacy



Original Color

16.3195, 14.1427, 42.4271

Protanomaly

15.7314, 14.1014, 43.4877

Deuteranomaly

15.0888, 14.0961, 41.9700

Tritanomaly

13.1332, 14.0285, 26.8265

Monochromacy



Original Color

16.3195, 14.1427, 42.4271

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0251, 13.9649, 23.0754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3195, 14.1427, 42.4271 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(89, 99, 175)` looks like.

```
.text, #text, p{  
    color:rgb(89, 99, 175)  
}
```

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(89, 99, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 99, 175) }
```

Border

The CSS property to change the border of an element to XYZ 16.3195, 14.1427, 42.4271 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(89, 99, 175) }
```


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

```
.border{ border-color:rgb(89, 99, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 99, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 99, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 99, 175);  
box-shadow:4px 4px 4px 4px rgb(89, 99,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3195, 14.1427, 42.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 99, 175) }
```

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

```
.background{ background-color: rgb(89, 99,  
175) }
```

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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