

Converting Colors

XYZ(16.3074, 16.0389, 31.5145)

Have a look what the booklet for
XYZ(16.3074, 16.0389, 31.5145)
contains.

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Color

**XYZ(16.3074, 16.0389,
31.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	636E97
RGB	99, 110, 151
RGB Percent	39%, 43%, 59%
CMY	0.6118, 0.5686, 0.4078
CMYK	0.34, 0.27, 0.00, 0.41
HSL	227°, 21%, 49%
HSV	227°, 34%, 59%
XYZ	16.3074, 16.0389, 31.5145
YIQ	111.3850, -19.7170, 10.4190

Conversions

Conversions Part 2

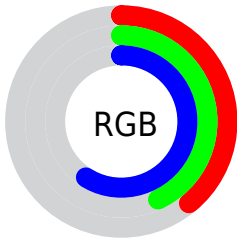
Format	Color
R_{YB}	99, 108, 151
Decimal	6516375
CIE _{Lab}	47.03, 6.17, -23.63
CIE _{LCh}	47, 24.424, 284.638
Yxy	16.0389, 0.2554, 0.2512
Android (android.graphics.Color)	4284706455 (0xFF636E97)
YUV	111.3850, 19.5302, -10.8616
Hunter-Lab	40.0486, 2.5984, -18.6217

Details

The XYZ color **16.3074, 16.0389, 31.5145** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3929, 26.2364, 15.5833**, and the grayscale version is **15.1708, 15.9609, 17.3814**.

A 20% lighter version of the original color is **36.5268, 36.4768, 62.8732**, and **5.3931, 5.1532, 12.7670** is the 20% darker color. If you saturate the color by 10%, you get **13.6101, 12.8682, 31.0449**, and if you desaturate by 10%, it is **19.4869, 19.7151, 32.0568**.

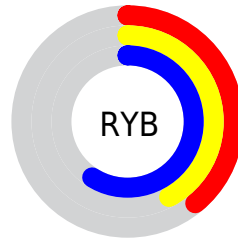
Distribution



Red (39%)

Green (43%)

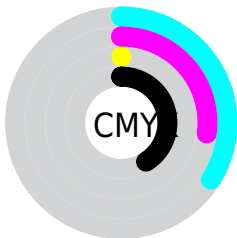
Blue (59%)



Red (39%)

Yellow (42%)

Blue (59%)

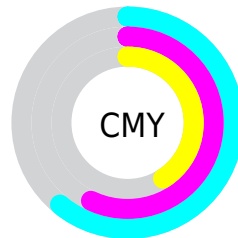


Cyan (34%)

Magenta (27%)

Yellow (0%)

Black (41%)



Cyan (61%)

Magenta (57%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3074, 16.0389, 31.5145 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 16.3074, 16.0389, 31.5145 by changing the saturation by 10% instead.

■ 16.3074, 16.0389,
31.5145

■ 16.3074, 16.0389,
31.5145

224.3838,
229.5711, 323.3260

■ 9.8342, 9.5517,
20.7292

■ 36.6842, 36.6657,
63.1382

■ 5.3506, 5.1027,
12.7369

■ 51.3185, 51.5741,
84.8138

■ 2.4912, 2.3077,
7.1190

■ 69.4038, 70.0584,
110.9564

■ 0.8908, 0.7778,
3.4571

■ 91.3055, 92.5029,
141.9848

■ 0.0000, 0.0000,
1.3325

117.3891,
119.2920, 178.3174

■ 0.0000, 0.0000,
0.0882

148.0197,

■ 0.0000, 0.0000,

150.8101, 220.3727

0.0000

183.5628,
187.4417, 268.5694

■ 16.3074, 16.0389,
31.5145

■ 16.3074, 16.0389,
31.5145

■ 13.6101, 12.8682,
31.0449

■ 19.4869, 19.7151,
32.0568

■ 11.3692, 10.1785,
30.6439

■ 23.1693, 23.9160,
32.6736

■ 9.5592, 7.9462,
30.3084

■ 27.3760, 28.6622,
33.3679

■ 8.1510, 6.1447,
30.0349

■ 32.1268, 33.9723,
34.1425

■ 7.1119, 4.7445,
29.8194

■ 37.4404, 39.8645,
34.9997

■ 6.4026, 3.7115,
29.6574

■ 43.3345, 46.3556,
35.9420

■ 6.1010, 3.2645,
29.5870

■ 49.8262, 53.4622,
36.9716

■ 56.9318, 61.2000,
38.0906

■ 64.6668, 69.5843,
39.3013

Harmonies

Analogous

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



14.1810, 16.0389, 31.4575



16.3074, 16.0389, 31.5145



18.3199, 16.0389, 27.2543

Triad

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



16.3074, 16.0389, 31.5145



18.3614, 16.0389, 10.4275



11.6134, 16.0389, 14.5262

Complementary

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



16.3074, 16.0389, 31.5145



24.3929, 26.2364, 15.5833

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.



12.5341, 16.0389, 10.3532



16.3074, 16.0389, 31.5145



16.3599, 16.0389, 8.3919

Square

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



16.3074, 16.0389, 31.5145



19.5789, 16.0389, 14.6535



14.2288, 16.0389, 8.3683



11.6022, 16.0389, 20.6118

Rectangle

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



16.3074, 16.0389, 31.5145



19.2700, 16.0389, 23.0087



14.2288, 16.0389, 8.3683



11.8227, 16.0389, 12.8898

Sweetspot

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



16.3079, 16.0395, 31.5149



44.5675, 46.3096, 59.0234



20.9265, 26.6718, 28.7536



9.9121, 10.2798, 13.3793



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3079, 16.0395, 31.5149



25.5565, 24.4455, 55.8052



16.9529, 14.7180, 31.2258



5.9852, 6.2277, 7.8156



5.2081, 2.8128, 25.1761



0.1003, 0.0870, 0.3839

Inverse Universe

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



20.0392, 16.6292, 16.9061



33.3090, 25.9282, 25.3950



23.5158, 28.2910, 16.0261



6.2596, 6.2430, 6.7473



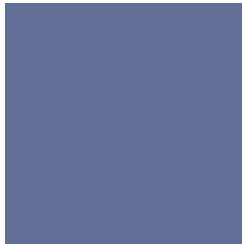
11.0876, 5.6893, 1.7201



0.1771, 0.0896, 0.0854

Previews

White Background



This preview shows how the XYZ color 16.3074, 16.0389, 31.5145 looks on a white background.

Color Contrast Check

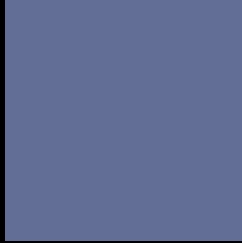
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3074, 16.0389, 31.5145 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

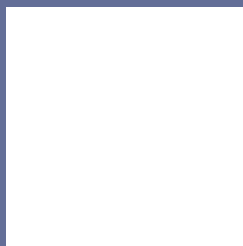
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3074, 16.0389, 31.5145

Background



This preview shows how black text looks on a background with the XYZ color 16.3074, 16.0389, 31.5145.



This preview shows how white text looks on a background with the XYZ color 16.3074, 16.0389,

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

16.3074, 16.0389, 31.5145

Protanopia

16.3074, 16.0389, 31.5145

Deuteranopia

16.4174, 16.0956, 31.5196



Tritanopia

14.2830, 16.0439, 21.4128

Trichromacy



Original Color

16.3074, 16.0389, 31.5145

Protanomaly

16.3074, 16.0389, 31.5145

Deuteranomaly

16.4174, 16.0956, 31.5196

Tritanomaly

14.9275, 15.9644, 24.8489

Monochromacy



Original Color

16.3074, 16.0389, 31.5145

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5137, 16.0010, 22.0095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3074, 16.0389, 31.5145 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(99, 110, 151) looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 151)  
}
```

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(99, 110, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 151) }
```

Border

The CSS property to change the border of an element to XYZ 16.3074, 16.0389, 31.5145 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(99, 110, 151) }
```


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

```
.border{ border-color:rgb(99, 110, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 110, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 151);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3074, 16.0389, 31.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 151) }
```

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

```
.background{ background-color: rgb(99, 110,  
151) }
```

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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