

Converting Colors

$Y_{xy}(16.3082, 0.2689, 0.2375)$

Have a look what the booklet for
Yxy(16.3082, 0.2689, 0.2375)
contains.

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Color

Yxy(16.3194, 0.2682, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	75699D
RGB	117, 105, 157
RGB Percent	46%, 41%, 62%
CMY	0.5414, 0.5882, 0.3843
CMYK	0.26, 0.33, 0.00, 0.38
HSL	254°, 21%, 51%
HSV	254°, 33%, 62%
XYZ	18.4678, 16.3194, 34.0711
YIQ	114.5160, -9.5400, 18.7160

Conversions

Conversions Part 2

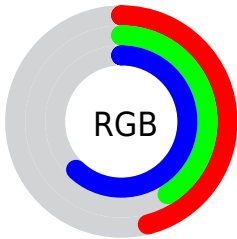
Format	Color
R _Y B	117, 105, 157
Decimal	7694749
CIE _{Lab}	47.39, 16.36, -26.49
CIE _{LCh}	47, 31.133, 301.705
Yxy	16.3194, 0.2682, 0.2370
Android (android.graphics.Color)	4285884829 (0xFF75699D)
YUV	114.5160, 20.9446, 2.1785
Hunter-Lab	40.3973, 10.9068, -21.7271

Details

The Yxy color **16.3194, 0.2682, 0.2370** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.1571, 0.3485, 0.4129**, and the grayscale version is **16.9271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0764, 0.2788, 0.2562**, and **5.2393, 0.2486, 0.2042** is the 20% darker color. If you saturate the color by 10%, you get **12.6270, 0.2514, 0.2049**, and if you desaturate by 10%, it is **20.7117, 0.2836, 0.2676**.

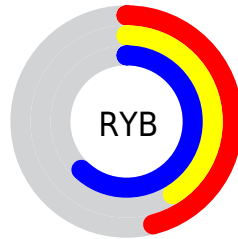
Distribution



Red (46%)

Green (41%)

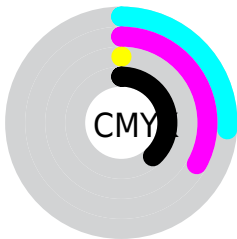
Blue (62%)



Red (46%)

Yellow (41%)

Blue (62%)

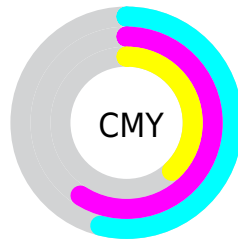


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (38%)



Cyan (54%)


Magenta (59%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3194, 0.2682, 0.2370 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 Yxy color 16.3194, 0.2682, 0.2370 by changing the saturation by 10% instead.


 16.3194, 0.2682,
0.2370


 16.3194, 0.2682,
0.2370


231.2191, 0.2945,
0.2880


 9.7505, 0.2599,
0.2226


 37.1518, 0.2789,
0.2568


 5.2338, 0.2482,
0.2030


 52.1841, 0.2826,
0.2638

 2.3851, 0.2302,
0.1754

 70.8062, 0.2855,
0.2696

 0.8182, 0.2005,
0.1341

 93.4026, 0.2880,
0.2745

 0.0000, 0.0700,
0.0000

120.3578, 0.2900,
0.2786

 0.0000, 0.0000,
0.0000

152.0559, 0.2917,

0.2822

188.8816, 0.2932,
0.2853

■ 16.3194, 0.2682,
0.2370

■ 16.3194, 0.2682,
0.2370

■ 12.6270, 0.2514,
0.2049

■ 20.7117, 0.2836,
0.2676

■ 9.5960, 0.2336,
0.1724

■ 25.8360, 0.2973,
0.2959

■ 7.1870, 0.2155,
0.1413

■ 31.7247, 0.3093,
0.3216

■ 5.3554, 0.1983,
0.1136

■ 38.4074, 0.3197,
0.3445

■ 4.0507, 0.1829,
0.0912

■ 45.9125, 0.3286,
0.3648

■ 3.2133, 0.1704,
0.0754

■ 54.2668, 0.3362,
0.3827

■ 2.8097, 0.1634,
0.0674

■ 63.4958, 0.3427,
0.3984

■ 73.6242, 0.3482,
0.4121

■ 84.6754, 0.3528,
0.4241

Harmonies

Analogous

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



16.3194, 0.2249, 0.2342



16.3194, 0.2682, 0.2370



16.3194, 0.3282, 0.2592

Triad

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



16.3194, 0.2682, 0.2370



16.3194, 0.4329, 0.3890



16.3194, 0.2380, 0.3600

Complementary

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



16.3194, 0.2682, 0.2370



31.1571, 0.3485, 0.4129

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.



16.3194, 0.2888, 0.4172



16.3194, 0.2682, 0.2370



16.3194, 0.4022, 0.4275

Square

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



16.3194, 0.2682, 0.2370



16.3194, 0.4291, 0.3420



16.3194, 0.3489, 0.4418



16.3194, 0.2087, 0.2981

Rectangle

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



16.3194, 0.2682, 0.2370



16.3194, 0.3701, 0.2826



16.3194, 0.3489, 0.4418



16.3194, 0.2530, 0.3811

Sweetspot

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



16.3200, 0.2682, 0.2370



49.2019, 0.3010, 0.3037



25.9138, 0.2644, 0.3093



10.5360, 0.2994, 0.3002



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.3200, 0.2682, 0.2370



24.0512, 0.2554, 0.2124



18.3160, 0.2982, 0.2445



6.5051, 0.3021, 0.3061



2.2968, 0.1640, 0.0677



0.0580, 0.2012, 0.0882

Inverse Universe

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



19.3211, 0.3313, 0.2659



30.3691, 0.3368, 0.2513



29.1066, 0.3223, 0.4204



6.7285, 0.3171, 0.3119



6.9481, 0.3875, 0.1908



0.1301, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 16.3194, 0.2682, 0.2370 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 Yxy color 16.3194, 0.2682, 0.2370 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](#).

Yxy 16.3194, 0.2682, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 16.3194, 0.2682, 0.2370.



This preview shows how white text looks on a background with the Yxy color 16.3194, 0.2682, 0.2370.

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

16.3194, 0.2682, 0.2370

Protanopia

16.4643, 0.2434, 0.2353

Deuteranopia

16.3658, 0.2503, 0.2449



Tritanopia

16.2838, 0.2994, 0.3110

Trichromacy



Original Color

16.3194, 0.2682, 0.2370

Protanomaly

16.4184, 0.2523, 0.2364

Deuteranomaly

16.3408, 0.2569, 0.2427

Tritanomaly

16.1692, 0.2881, 0.2809

Monochromacy



Original Color

16.3194, 0.2682, 0.2370

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6936, 0.2965, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3194, 0.2682, 0.2370 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(117, 105, 157)` looks like.

```
.text, #text, p{  
    color:rgb(117, 105, 157)  
}
```

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(117, 105, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 105, 157) }
```

Border

The CSS property to change the border of an element to Yxy 16.3194, 0.2682, 0.2370 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(117, 105, 157) }
```

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

```
.border{ border-color:rgb(117, 105, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 105, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 105, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 105, 157);  
box-shadow:4px 4px 4px 4px rgb(117, 105,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3194, 0.2682, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 105, 157) }
```

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

```
.background{ background-color: rgb(117,  
105, 157) }
```

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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