

Converting Colors

$Yxy(16.6615, 0.2380, 0.2450)$

Have a look what the booklet for
Yxy(16.6615, 0.2380, 0.2450)
contains.

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Color

Yxy(16.7431, 0.2381, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	56739F
RGB	86, 115, 159
RGB Percent	34%, 45%, 62%
CMY	0.6628, 0.5490, 0.3765
CMYK	0.46, 0.28, 0.00, 0.38
HSL	216°, 30%, 48%
HSV	216°, 46%, 62%
XYZ	16.2252, 16.7431, 35.1762
YIQ	111.3450, -31.4080, 7.5360

Conversions

Conversions Part 2

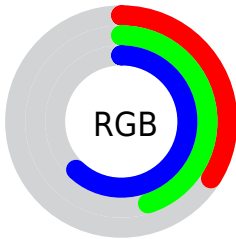
Format	Color
R _Y B	86, 107, 159
Decimal	5665695
CIE Lab	47.93, 1.79, -27.00
CIE LCh	48, 27.060, 273.784
Yxy	16.7431, 0.2381, 0.2457
Android (android.graphics.Color)	4283855775 (0xFF56739F)
YUV	111.3450, 23.4939, -22.2276
Hunter-Lab	40.9183, -0.8271, -22.3269

Details

The Yxy color **16.7431, 0.2381, 0.2457** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.0022, 0.3984, 0.3992**, and the grayscale version is **15.9386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9814, 0.2549, 0.2645**, and **5.3992, 0.2085, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **13.9985, 0.2216, 0.2234**, and if you desaturate by 10%, it is **19.8839, 0.2550, 0.2668**.

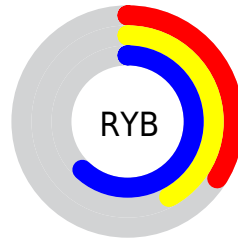
Distribution



Red (34%)

Green (45%)

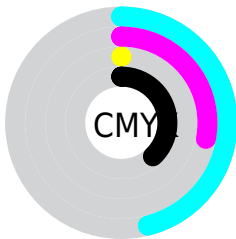
Blue (62%)



Red (34%)

Yellow (42%)

Blue (62%)

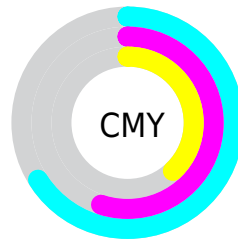


Cyan (46%)

Magenta (28%)

Yellow (0%)

Black (38%)



Cyan (66%)

Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7431, 0.2381, 0.2457 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 16.7431, 0.2381, 0.2457 by changing the saturation by 10% instead.

■ 16.7431, 0.2381,
0.2457

■ 16.7431, 0.2381,
0.2457

■ 233.6876, 0.2806,
0.2929

■ 10.0515, 0.2255,
0.2319

■ 37.8835, 0.2549,
0.2643

■ 5.4331, 0.2082,
0.2130

■ 53.1012, 0.2608,
0.2708

■ 2.5036, 0.1831,
0.1857

■ 71.9296, 0.2657,
0.2762

■ 0.8784, 0.1444,
0.1443

■ 94.7532, 0.2697,
0.2806

■ 0.0000, 0.0000,
0.0000

■ 121.9564, 0.2730,
0.2844

153.9236, 0.2759,

0.2876

191.0392, 0.2784,
0.2904

■ 16.7431, 0.2381,
0.2457

■ 16.7431, 0.2381,
0.2457

■ 13.9985, 0.2216,
0.2234

■ 19.8839, 0.2550,
0.2668

■ 11.6301, 0.2062,
0.2005

■ 23.4360, 0.2719,
0.2864

■ 9.6186, 0.1924,
0.1777

■ 27.4156, 0.2882,
0.3042

■ 7.9418, 0.1809,
0.1557

■ 31.8377, 0.3039,
0.3203

■ 6.5717, 0.1720,
0.1354

■ 36.7162, 0.3186,
0.3346

■ 6.0797, 0.1688,
0.1275

■ 42.0647, 0.3323,
0.3473

■ 47.8958, 0.3450,
0.3585

■ 54.2221, 0.3567,
0.3682

■ 61.0552, 0.3674,
0.3768

Harmonies

Analogous

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



16.7431, 0.2184, 0.2624



16.7431, 0.2381, 0.2457



16.7431, 0.2776, 0.2490

Triad

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



16.7431, 0.2381, 0.2457



16.7431, 0.4142, 0.3444



16.7431, 0.2892, 0.4012

Complementary

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



16.7431, 0.2381, 0.2457



24.0022, 0.3984, 0.3992

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.



16.7431, 0.3414, 0.4251



16.7431, 0.2381, 0.2457



16.7431, 0.4159, 0.3852

Square

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



16.7431, 0.2381, 0.2457



16.7431, 0.3818, 0.3035



16.7431, 0.3882, 0.4165



16.7431, 0.2456, 0.3521

Rectangle

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



16.7431, 0.2381, 0.2457



16.7431, 0.3120, 0.2611



16.7431, 0.3882, 0.4165



16.7431, 0.3063, 0.4128

Sweetspot

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



16.7437, 0.2381, 0.2457



50.3541, 0.2909, 0.3070



28.3795, 0.2733, 0.3831



11.0033, 0.2876, 0.3036



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.7437, 0.2381, 0.2457



25.0129, 0.2214, 0.2231



11.4989, 0.2359, 0.1920



6.8463, 0.2988, 0.3152



4.8794, 0.1692, 0.1291



0.1674, 0.1908, 0.2068

Inverse Universe

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



15.2622, 0.3833, 0.2823



22.8580, 0.4077, 0.2732



32.1134, 0.3712, 0.4420



6.6876, 0.3225, 0.3201



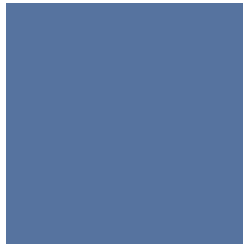
6.1148, 0.5339, 0.2715



0.1174, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 16.7431, 0.2381, 0.2457 looks on a white background.

Color Contrast Check

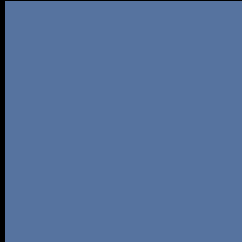
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7431, 0.2381, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

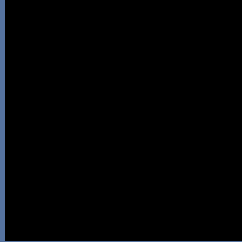
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

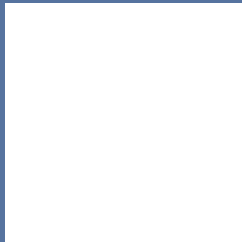
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.7431, 0.2381, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 16.7431, 0.2381, 0.2457.

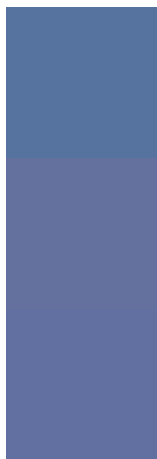


This preview shows how white text looks on a background with the Yxy color 16.7431, 0.2381, 0.2457.

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

16.7431, 0.2381, 0.2457

Protanopia

16.7320, 0.2517, 0.2457

Deuteranopia

16.6678, 0.2463, 0.2405



Tritanopia

16.6643, 0.2564, 0.3077

Trichromacy



Original Color

16.7431, 0.2381, 0.2457

Protanomaly

16.7118, 0.2463, 0.2451

Deuteranomaly

16.6755, 0.2428, 0.2416

Tritanomaly

16.6293, 0.2490, 0.2821

Monochromacy



Original Color

16.7431, 0.2381, 0.2457

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9716, 0.2817, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7431, 0.2381, 0.2457 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(86, 115, 159)` looks like.

```
.text, #text, p{  
  color:rgb(86, 115, 159)  
}
```

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(86, 115, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 115, 159) }
```

Border

The CSS property to change the border of an element to Yxy 16.7431, 0.2381, 0.2457 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(86, 115, 159) }
```

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

```
.border{ border-color:rgb(86, 115, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 115, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 115, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 115, 159);  
box-shadow:4px 4px 4px 4px rgb(86, 115,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7431, 0.2381, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 115, 159) }
```

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

```
.background{ background-color: rgb(86, 115,  
159) }
```

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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