

Converting Colors

$Y_{xy}(16.4752, 0.2135, 0.1740)$

Have a look what the booklet for
Yxy(16.4752, 0.2135, 0.1740)
contains.

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Color

Yxy(16.5446, 0.2134, 0.1746)

Conversions

Conversions Part 1

Format	Color
Hex	5E68CA
RGB	94, 104, 202
RGB Percent	37%, 41%, 79%
CMY	0.6316, 0.5921, 0.2079
CMYK	0.53, 0.48, 0.00, 0.21
HSL	234°, 50%, 58%
HSV	234°, 53%, 79%
XYZ	20.2212, 16.5446, 57.9914
YIQ	112.1820, -37.4180, 28.3580

Conversions

Conversions Part 2

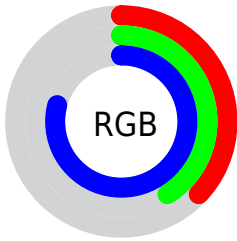
Format	Color
R _Y B	94, 103, 202
Decimal	6187210
CIE Lab	47.68, 24.00, -52.32
CIE LCh	48, 57.565, 294.641
Yxy	16.5446, 0.2134, 0.1746
Android (android.graphics.Color)	4284377290 (0xFF5E68CA)
YUV	112.1820, 44.2803, -15.9456
Hunter-Lab	40.6751, 17.5581, -56.0586

Details

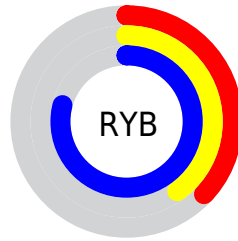
The Yxy color **16.5446, 0.2134, 0.1746** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **51.0223, 0.3956, 0.4465**, and the grayscale version is **16.1338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2420, 0.2372, 0.2077**, and **5.2940, 0.1775, 0.1298** is the 20% darker color. If you saturate the color by 10%, you get **12.3178, 0.1940, 0.1425**, and if you desaturate by 10%, it is **21.8525, 0.2339, 0.2076**.

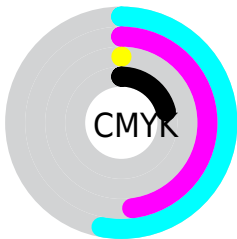
Distribution



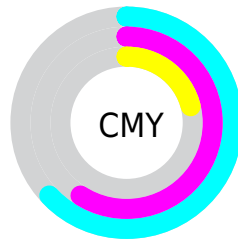
- Red (37%)
- Green (41%)
- Blue (79%)



- Red (37%)
- Yellow (40%)
- Blue (79%)



- Cyan (53%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)



- Cyan (63%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5446, 0.2134, 0.1746 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 16.5446, 0.2134, 0.1746 by changing the saturation by 10% instead.

■ 16.5446, 0.2134,
0.1746

■ 16.5446, 0.2134,
0.1746

■ 232.5342, 0.2693,
0.2546

■ 9.9103, 0.1980,
0.1549

■ 37.5411, 0.2349,
0.2037

■ 5.3395, 0.1778,
0.1305

■ 52.6721, 0.2427,
0.2147

■ 2.4478, 0.1506,
0.1002

■ 71.4042, 0.2491,
0.2240

■ 0.8503, 0.1139,
0.0636

■ 94.1218, 0.2545,
0.2319

■ 0.0000, 0.0543,
0.0000

■ 121.2091, 0.2590,
0.2388

■ 0.0000, 0.0000,
0.0000

153.0507, 0.2629,

0.2448

190.0309, 0.2663,
0.2500

■ 16.5446, 0.2134,
0.1746

■ 16.5446, 0.2134,
0.1746

■ 12.3178, 0.1940,
0.1425

■ 21.8525, 0.2339,
0.2076

■ 9.0960, 0.1770,
0.1135

■ 28.3076, 0.2542,
0.2397

■ 6.7952, 0.1637,
0.0897

■ 35.9723, 0.2736,
0.2698

■ 5.3174, 0.1551,
0.0729

■ 44.9042, 0.2914,
0.2970

■ 4.7229, 0.1516,
0.0658

■ 55.1572, 0.3075,
0.3213

■ 66.7821, 0.3218,
0.3425

■ 79.8268, 0.3344,
0.3610

■ 94.2350, 0.3450,
0.3769

■ 97.0433, 0.3442,
0.3810

Harmonies

Analogous

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



16.5446, 0.1562, 0.1744



16.5446, 0.2134, 0.1746



16.5446, 0.3091, 0.2025

Triad

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



16.5446, 0.2134, 0.1746



16.5446, 0.5267, 0.3930



16.5446, 0.1956, 0.4154

Complementary

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



16.5446, 0.2134, 0.1746



51.0223, 0.3956, 0.4465

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.



16.5446, 0.2836, 0.5237



16.5446, 0.2134, 0.1746



16.5446, 0.4738, 0.4703

Square

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



16.5446, 0.2134, 0.1746



16.5446, 0.5136, 0.3201



16.5446, 0.3845, 0.5323



16.5446, 0.1451, 0.2878

Rectangle

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



16.5446, 0.2134, 0.1746



16.5446, 0.3877, 0.2347



16.5446, 0.3845, 0.5323



16.5446, 0.2216, 0.4592

Sweetspot

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



16.5451, 0.2134, 0.1746



71.6899, 0.2867, 0.2899



48.3778, 0.2503, 0.3446



14.6571, 0.2831, 0.2843



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.5451, 0.2134, 0.1746



20.0018, 0.1914, 0.1382



17.5928, 0.2487, 0.1750



11.0093, 0.2982, 0.3073



3.0983, 0.1519, 0.0669



0.2189, 0.1578, 0.0880

Inverse Universe

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



21.5508, 0.4534, 0.3168



29.9414, 0.5031, 0.3158



50.3859, 0.3523, 0.4749



11.2304, 0.3276, 0.3269



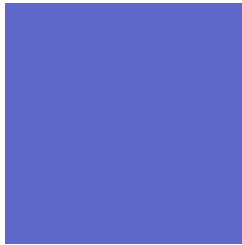
8.1158, 0.6284, 0.3236



0.4246, 0.5943, 0.3048

Previews

White Background



This preview shows how the Yxy color 16.5446, 0.2134, 0.1746 looks on a white background.

Color Contrast Check

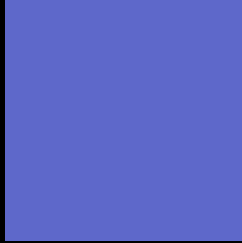
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5446, 0.2134, 0.1746 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 16.5446, 0.2134, 0.1746

Background



This preview shows how black text looks on a background with the Yxy color 16.5446, 0.2134, 0.1746.



This preview shows how white text looks on a background with the Yxy color 16.5446, 0.2134, 0.1746.

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

16.5446, 0.2134, 0.1746

Protanopia

16.7627, 0.1946, 0.1716

Deuteranopia

16.5155, 0.1894, 0.1838



Tritanopia

16.5786, 0.2482, 0.3074

Trichromacy



Original Color

16.5446, 0.2134, 0.1746

Protanomaly

16.6372, 0.2002, 0.1723

Deuteranomaly

16.1627, 0.1946, 0.1783

Tritanomaly

16.3155, 0.2330, 0.2475

Monochromacy



Original Color

16.5446, 0.2134, 0.1746

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9849, 0.2672, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5446, 0.2134, 0.1746 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, 104, 202)` looks like.

```
.text, #text, p{  
    color:rgb(94, 104, 202)  
}
```

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, 104, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 104, 202) }
```

Border

The CSS property to change the border of an element to Yxy 16.5446, 0.2134, 0.1746 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, 104, 202) }
```

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

```
.border{ border-color:rgb(94, 104, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 104, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 104, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 104, 202);  
box-shadow:4px 4px 4px 4px rgb(94, 104,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5446, 0.2134, 0.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 104, 202) }
```

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

```
.background{ background-color: rgb(94, 104,  
202) }
```

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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