

Converting Colors

$Y_{xy}(16.7663, 0.2136, 0.1821)$

Have a look what the booklet for
Yxy(16.7663, 0.2136, 0.1821)
contains.

Yxy(16.7663, 0.2136, 0.1821)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7663, 0.2136, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	5A6BC6
RGB	90, 107, 198
RGB Percent	35%, 42%, 78%
CMY	0.6472, 0.5804, 0.2234
CMYK	0.55, 0.46, 0.00, 0.22
HSL	231°, 49%, 56%
HSV	231°, 55%, 78%
XYZ	19.6666, 16.7663, 55.6391
YIQ	112.2910, -39.3430, 24.6970

Conversions

Conversions Part 2

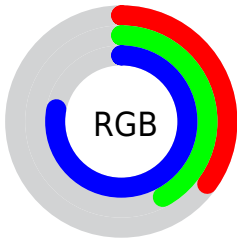
Format	Color
R_{YB}	90, 105, 198
Decimal	5925830
CIE _{Lab}	47.96, 20.03, -49.61
CIE _{LCh}	48, 53.502, 291.981
Yxy	16.7663, 0.2136, 0.1821
Android (android.graphics.Color)	4284115910 (0xFF5A6BC6)
YUV	112.2910, 42.2545, -19.5492
Hunter-Lab	40.9467, 14.0763, -51.9016

Details

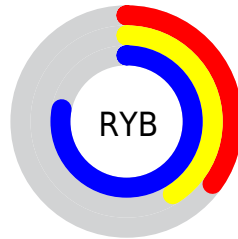
The Yxy color **16.7663, 0.2136, 0.1821** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **45.7883, 0.4015, 0.4413**, and the grayscale version is **16.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8768, 0.2352, 0.2106**, and **5.4091, 0.1781, 0.1386** is the 20% darker color. If you saturate the color by 10%, you get **12.7539, 0.1950, 0.1515**, and if you desaturate by 10%, it is **21.7151, 0.2333, 0.2132**.

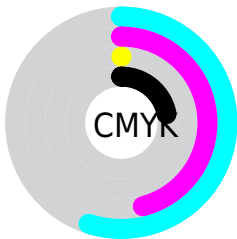
Distribution



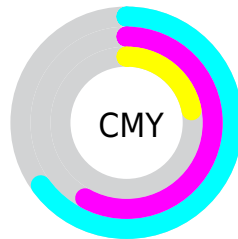
- Red (35%)
- Green (42%)
- Blue (78%)



- Red (35%)
- Yellow (41%)
- Blue (78%)



- Cyan (55%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (65%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7663, 0.2136, 0.1821 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 16.7663, 0.2136, 0.1821 by changing the saturation by 10% instead.

■ 16.7663, 0.2136,
0.1821

■ 16.7663, 0.2136,
0.1821

233.8220, 0.2692,
0.2591

■ 10.0680, 0.1983,
0.1628

■ 37.9235, 0.2350,
0.2104

■ 5.4441, 0.1780,
0.1386

■ 53.1513, 0.2428,
0.2210

■ 2.5101, 0.1508,
0.1080

■ 71.9909, 0.2491,
0.2299

■ 0.8817, 0.1137,
0.0703

■ 94.8269, 0.2545,
0.2375

■ 0.0000, 0.0480,
0.0000

122.0436, 0.2590,
0.2440

■ 0.0000, 0.0000,
0.0000

154.0254, 0.2629,

0.2497

191.1568, 0.2663,
0.2547

■ 16.7663, 0.2136,
0.1821

■ 16.7663, 0.2136,
0.1821

■ 12.7539, 0.1950,
0.1515

■ 21.7151, 0.2333,
0.2132

■ 9.6160, 0.1786,
0.1231

■ 27.6535, 0.2531,
0.2433

■ 7.2856, 0.1657,
0.0989

■ 34.6325, 0.2720,
0.2713

■ 5.6847, 0.1569,
0.0804

■ 42.6990, 0.2897,
0.2968

■ 5.0699, 0.1536,
0.0728

■ 51.8972, 0.3059,
0.3195

■ 62.2688, 0.3204,
0.3395

■ 73.8532, 0.3334,
0.3570

■ 86.6881, 0.3448,
0.3721

■ 96.8583, 0.3466,
0.3850

Harmonies

Analogous

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



16.7663, 0.1619, 0.1849



16.7663, 0.2136, 0.1821



16.7663, 0.3008, 0.2065

Triad

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



16.7663, 0.2136, 0.1821



16.7663, 0.5148, 0.3860



16.7663, 0.2102, 0.4196

Complementary

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



16.7663, 0.2136, 0.1821



45.7883, 0.4015, 0.4413

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.



16.7663, 0.2958, 0.5120



16.7663, 0.2136, 0.1821



16.7663, 0.4718, 0.4582

Square

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



16.7663, 0.2136, 0.1821



16.7663, 0.4944, 0.3166



16.7663, 0.3909, 0.5156



16.7663, 0.1579, 0.3012

Rectangle

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



16.7663, 0.2136, 0.1821



16.7663, 0.3729, 0.2361



16.7663, 0.3909, 0.5156



16.7663, 0.2360, 0.4579

Sweetspot

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



16.7668, 0.2136, 0.1821



73.0656, 0.2869, 0.2927



45.8664, 0.2534, 0.3560



14.9804, 0.2832, 0.2875



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.



16.7668, 0.2136, 0.1821



21.7055, 0.1925, 0.1473



15.8198, 0.2399, 0.1690



10.5531, 0.2983, 0.3089



3.3785, 0.1540, 0.0744



0.2477, 0.1633, 0.1079

Inverse Universe

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



20.3775, 0.4467, 0.3075



29.6931, 0.4934, 0.3055



48.8180, 0.3590, 0.4744



10.6638, 0.3265, 0.3254



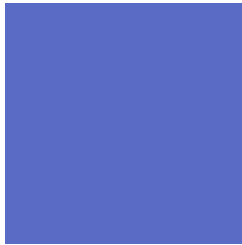
7.8810, 0.6160, 0.3167



0.3820, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 16.7663, 0.2136, 0.1821 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 16.7663, 0.2136, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

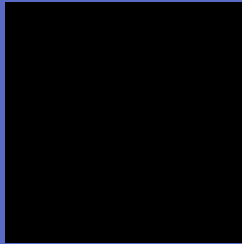
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7663, 0.2136, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 16.7663, 0.2136, 0.1821.



This preview shows how white text looks on a background with the Yxy color 16.7663, 0.2136, 0.1821.

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

16.7663, 0.2136, 0.1821

Protanopia

16.7085, 0.2014, 0.1798

Deuteranopia

16.9000, 0.1954, 0.1902



Tritanopia

16.7433, 0.2455, 0.3074

Trichromacy



Original Color

16.7663, 0.2136, 0.1821

Protanomaly

16.7271, 0.2055, 0.1806

Deuteranomaly

16.7095, 0.2003, 0.1861

Tritanomaly

16.6187, 0.2322, 0.2528

Monochromacy



Original Color

16.7663, 0.2136, 0.1821

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0781, 0.2682, 0.2655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7663, 0.2136, 0.1821 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(90, 107, 198)` looks like.

```
.text, #text, p{  
    color:rgb(90, 107, 198)  
}
```

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(90, 107, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 107, 198) }
```

Border

The CSS property to change the border of an element to Yxy 16.7663, 0.2136, 0.1821 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(90, 107, 198) }
```

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

```
.border{ border-color:rgb(90, 107, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 107, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 107, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 107, 198);  
box-shadow:4px 4px 4px 4px rgb(90, 107,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7663, 0.2136, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 107, 198) }
```

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

```
.background{ background-color: rgb(90, 107,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor