

Converting Colors

$Y_{xy}(16.8241, 0.2216, 0.2058)$

Have a look what the booklet for
Yxy(16.8241, 0.2216, 0.2058)
contains.

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Color

Yxy(16.7725, 0.2219, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	576FB6
RGB	87, 111, 182
RGB Percent	34%, 44%, 71%
CMY	0.6589, 0.5647, 0.2862
CMYK	0.52, 0.39, 0.00, 0.29
HSL	225°, 39%, 53%
HSV	225°, 52%, 71%
XYZ	18.0583, 16.7725, 46.5496
YIQ	111.9180, -37.0950, 16.9930

Conversions

Conversions Part 2

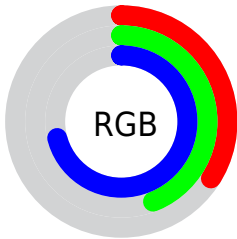
Format	Color
R_{YB}	87, 106, 182
Decimal	5730230
CIE _{Lab}	47.97, 11.70, -40.37
CIE _{LCh}	48, 42.031, 286.163
Yxy	16.7725, 0.2219, 0.2061
Android (android.graphics.Color)	4283920310 (0xFF576FB6)
YUV	111.9180, 34.5504, -21.8531
Hunter-Lab	40.9542, 7.0376, -38.7225

Details

The Yxy color **16.7725, 0.2219, 0.2061** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.0878, 0.4036, 0.4260**, and the grayscale version is **16.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7645, 0.2418, 0.2312**, and **5.4848, 0.1880, 0.1651** is the 20% darker color. If you saturate the color by 10%, you get **13.2591, 0.2040, 0.1780**, and if you desaturate by 10%, it is **20.9599, 0.2405, 0.2336**.

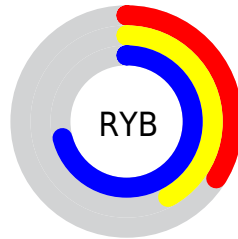
Distribution



Red (34%)

Green (44%)

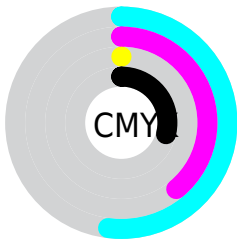
Blue (71%)



Red (34%)

Yellow (42%)

Blue (71%)

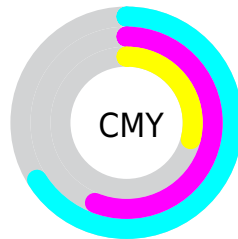


Cyan (52%)

Magenta (39%)

Yellow (0%)

Black (29%)



Cyan (66%)

Magenta (56%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7725, 0.2219, 0.2061 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 16.7725, 0.2219, 0.2061 by changing the saturation by 10% instead.

■ 16.7725, 0.2219,
0.2061

■ 16.7725, 0.2219,
0.2061

233.8579, 0.2732,
0.2727

■ 10.0724, 0.2074,
0.1883

■ 37.9342, 0.2419,
0.2313

■ 5.4470, 0.1878,
0.1651

■ 53.1646, 0.2490,
0.2405

■ 2.5118, 0.1608,
0.1343

■ 72.0073, 0.2548,
0.2482

■ 0.8826, 0.1223,
0.0933

■ 94.8466, 0.2597,
0.2546

■ 0.0000, 0.0194,
0.0000

122.0669, 0.2639,
0.2602

■ 0.0000, 0.0000,
0.0000

154.0526, 0.2674,

0.2649

191.1882, 0.2705,
0.2691

■ 16.7725, 0.2219,
0.2061

■ 16.7725, 0.2219,
0.2061

■ 13.2591, 0.2040,
0.1780

■ 20.9599, 0.2405,
0.2336

■ 10.3807, 0.1878,
0.1506

■ 25.8537, 0.2591,
0.2597

■ 8.0965, 0.1743,
0.1254

■ 31.4865, 0.2770,
0.2838

■ 6.3594, 0.1641,
0.1036

■ 37.8880, 0.2938,
0.3056

■ 5.3322, 0.1582,
0.0895

■ 45.0863, 0.3094,
0.3250

■ 53.1081, 0.3237,
0.3421

■ 61.9788, 0.3366,
0.3571

■ 71.7227, 0.3482,
0.3702

■ 82.3631, 0.3586,
0.3816

Harmonies

Analogous

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



16.7725, 0.1828, 0.2151



16.7725, 0.2219, 0.2061



16.7725, 0.2889, 0.2223

Triad

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



16.7725, 0.2219, 0.2061



16.7725, 0.4758, 0.3704



16.7725, 0.2444, 0.4158

Complementary

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



16.7725, 0.2219, 0.2061



35.0878, 0.4036, 0.4260

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.



16.7725, 0.3185, 0.4752



16.7725, 0.2219, 0.2061



16.7725, 0.4541, 0.4291

Square

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



16.7725, 0.2219, 0.2061



16.7725, 0.4461, 0.3115



16.7725, 0.3951, 0.4735



16.7725, 0.1929, 0.3263

Rectangle

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



16.7725, 0.2219, 0.2061



16.7725, 0.3447, 0.2451



16.7725, 0.3951, 0.4735



16.7725, 0.2674, 0.4415

Sweetspot

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



16.7731, 0.2219, 0.2061



63.7943, 0.2871, 0.2970



37.9109, 0.2612, 0.3706



13.5656, 0.2837, 0.2926



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.7731, 0.2219, 0.2061



22.9810, 0.2009, 0.1729



13.4534, 0.2345, 0.1735



9.0785, 0.2985, 0.3114



3.8568, 0.1587, 0.0914



0.2380, 0.1732, 0.1436

Inverse Universe

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



17.9087, 0.4218, 0.2954



26.4617, 0.4630, 0.2905



41.6073, 0.3664, 0.4632



9.0485, 0.3249, 0.3232



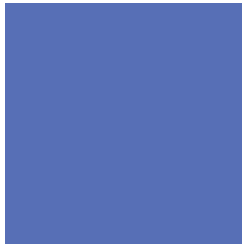
7.1717, 0.5890, 0.3018



0.2631, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 16.7725, 0.2219, 0.2061 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 16.7725, 0.2219, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

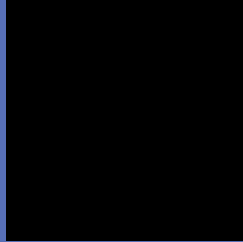
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7725, 0.2219, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 16.7725, 0.2219, 0.2061.

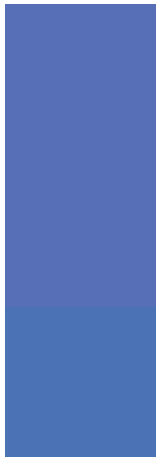


This preview shows how white text looks on a background with the Yxy color 16.7725, 0.2219, 0.2061.

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

16.7725, 0.2219, 0.2061

Protanopia

16.7247, 0.2212, 0.2059

Deuteranopia

16.8667, 0.2152, 0.2103



Tritanopia

16.8599, 0.2494, 0.3096

Trichromacy



Original Color

16.7725, 0.2219, 0.2061

Protanomaly

16.7247, 0.2212, 0.2059

Deuteranomaly

16.8087, 0.2175, 0.2093

Tritanomaly

16.6954, 0.2377, 0.2652

Monochromacy



Original Color

16.7725, 0.2219, 0.2061

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2780, 0.2735, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7725, 0.2219, 0.2061 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(87, 111, 182)` looks like.

```
.text, #text, p{  
    color:rgb(87, 111, 182)  
}
```

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(87, 111, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 111, 182) }
```

Border

The CSS property to change the border of an element to Yxy 16.7725, 0.2219, 0.2061 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(87, 111, 182) }
```

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

```
.border{ border-color:rgb(87, 111, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 111, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 111, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 111, 182);  
box-shadow:4px 4px 4px 4px rgb(87, 111,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7725, 0.2219, 0.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 111, 182) }
```

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

```
.background{ background-color: rgb(87, 111,  
182) }
```

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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