

Converting Colors

$Yxy(16.8245, 0.1993, 0.1768)$

Have a look what the booklet for
Yxy(16.8245, 0.1993, 0.1768)
contains.

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Color

Yxy(16.7767, 0.1991, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	456ECC
RGB	69, 110, 204
RGB Percent	27%, 43%, 80%
CMY	0.7295, 0.5686, 0.2001
CMYK	0.66, 0.46, 0.00, 0.20
HSL	222°, 57%, 54%
HSV	222°, 66%, 80%
XYZ	18.9249, 16.7767, 59.3505
YIQ	108.4570, -54.6100, 20.5420

Conversions

Conversions Part 2

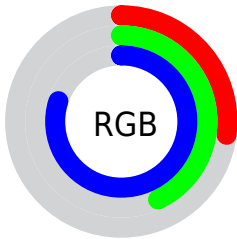
Format	Color
R _Y B	69, 100, 204
Decimal	4550348
CIE Lab	47.98, 16.20, -53.07
CIE LCh	48, 55.487, 286.978
Yxy	16.7767, 0.1991, 0.1765
Android (android.graphics.Color)	4282740428 (0xFF456ECC)
YUV	108.4570, 47.1027, -34.6038
Hunter-Lab	40.9594, 10.7953, -57.2403

Details

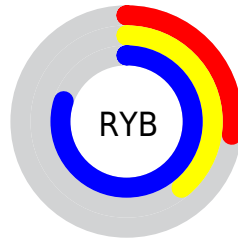
The Yxy color **16.7767, 0.1991, 0.1765** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **39.4342, 0.4355, 0.4398**, and the grayscale version is **15.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4556, 0.2258, 0.2114**, and **5.7249, 0.1711, 0.1360** is the 20% darker color. If you saturate the color by 10%, you get **13.3330, 0.1843, 0.1507**, and if you desaturate by 10%, it is **20.9685, 0.2159, 0.2031**.

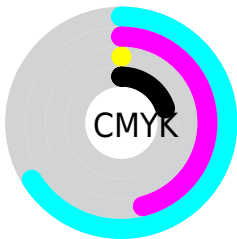
Distribution



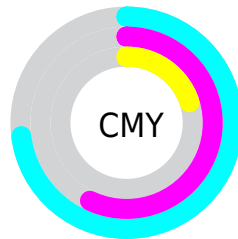
- Red (27%)
- Green (43%)
- Blue (80%)



- Red (27%)
- Yellow (39%)
- Blue (80%)



- Cyan (66%)
- Magenta (46%)
- Yellow (0%)
- Black (20%)



- Cyan (73%)
- Magenta (57%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7767, 0.1991, 0.1765 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 16.7767, 0.1991, 0.1765 by changing the saturation by 10% instead.

■ 16.7767, 0.1991,
0.1765

■ 16.7767, 0.1991,
0.1765

■ 233.8823, 0.2618,
0.2562

■ 10.0754, 0.1824,
0.1568

■ 37.9414, 0.2229,
0.2057

■ 5.4490, 0.1607,
0.1322

■ 53.1737, 0.2316,
0.2166

■ 2.5130, 0.1323,
0.1016

■ 72.0184, 0.2388,
0.2259

■ 0.8832, 0.0953,
0.0648

■ 94.8599, 0.2449,
0.2337

■ 0.0000, 0.0284,
0.0000

■ 122.0827, 0.2501,
0.2405

■ 0.0000, 0.0000,
0.0000

154.0710, 0.2545,

0.2464

191.2094, 0.2584,
0.2516

■ 16.7767, 0.1991,
0.1765

■ 16.7767, 0.1991,
0.1765

■ 13.3330, 0.1843,
0.1507

■ 20.9685, 0.2159,
0.2031

■ 10.5851, 0.1724,
0.1270

■ 25.9523, 0.2338,
0.2294

■ 8.4733, 0.1637,
0.1065

■ 31.7700, 0.2520,
0.2546

■ 7.8043, 0.1610,
0.0996

■ 38.4600, 0.2700,
0.2779

■ 46.0581, 0.2872,
0.2992

■ 54.5980, 0.3033,
0.3183

■ 64.1115, 0.3183,
0.3352

■ 74.6291, 0.3320,
0.3501

■ 86.1796, 0.3444,
0.3631

Harmonies

Analogous

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



16.7767, 0.1523, 0.1842



16.7767, 0.1991, 0.1765



16.7767, 0.2828, 0.1971

Triad

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



16.7767, 0.1991, 0.1765



16.7767, 0.5230, 0.3741



16.7767, 0.2192, 0.4439

Complementary

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



16.7767, 0.1991, 0.1765



39.4342, 0.4355, 0.4398

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.



16.7767, 0.3107, 0.5268



16.7767, 0.1991, 0.1765



16.7767, 0.4868, 0.4484

Square

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



16.7767, 0.1991, 0.1765



16.7767, 0.4902, 0.3042



16.7767, 0.4076, 0.5142



16.7767, 0.1593, 0.3182

Rectangle

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



16.7767, 0.1991, 0.1765



16.7767, 0.3557, 0.2248



16.7767, 0.4076, 0.5142



16.7767, 0.2474, 0.4811

Sweetspot

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



16.7772, 0.1991, 0.1765



70.9836, 0.2803, 0.2908



47.0186, 0.2567, 0.3958



14.4311, 0.2754, 0.2847



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.



16.7772, 0.1991, 0.1765



20.2053, 0.1794, 0.1413



10.9765, 0.2027, 0.1263



11.3909, 0.2983, 0.3124



5.0584, 0.1617, 0.1020



0.3956, 0.1728, 0.1422

Inverse Universe

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



18.2127, 0.4608, 0.2813



25.0896, 0.5108, 0.2809



53.2129, 0.3816, 0.4916



11.2689, 0.3243, 0.3220



8.3136, 0.5728, 0.2929



0.4425, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 16.7767, 0.1991, 0.1765 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 16.7767, 0.1991, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

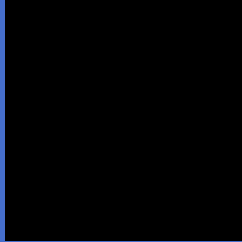
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7767, 0.1991, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 16.7767, 0.1991, 0.1765.



This preview shows how white text looks on a background with the Yxy color 16.7767, 0.1991, 0.1765.

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

16.7767, 0.1991, 0.1765

Protanopia

16.7404, 0.1986, 0.1763

Deuteranopia

16.7799, 0.1863, 0.1806



Tritanopia

16.8480, 0.2219, 0.3066

Trichromacy



Original Color

16.7767, 0.1991, 0.1765

Protanomaly

16.7404, 0.1986, 0.1763

Deuteranomaly

16.5935, 0.1893, 0.1785

Tritanomaly

16.4182, 0.2097, 0.2468

Monochromacy



Original Color

16.7767, 0.1991, 0.1765

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3001, 0.2572, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7767, 0.1991, 0.1765 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(69, 110, 204)` looks like.

```
.text, #text, p{  
    color:rgb(69, 110, 204)  
}
```

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(69, 110, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 110, 204) }
```

Border

The CSS property to change the border of an element to Yxy 16.7767, 0.1991, 0.1765 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(69, 110, 204) }
```

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

```
.border{ border-color:rgb(69, 110, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 110, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 110, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 110, 204);  
box-shadow:4px 4px 4px 4px rgb(69, 110,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7767, 0.1991, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 110, 204) }
```

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

```
.background{ background-color: rgb(69, 110,  
204) }
```

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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