

Converting Colors

$Yxy(16.0630, 0.1988, 0.1763)$

Have a look what the booklet for
Yxy(16.0630, 0.1988, 0.1763)
contains.

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Color

Yxy(16.0885, 0.1990, 0.1768)

Conversions

Conversions Part 1

Format	Color
Hex	436CC8
RGB	67, 108, 200
RGB Percent	26%, 42%, 78%
CMY	0.7368, 0.5765, 0.2156
CMYK	0.66, 0.46, 0.00, 0.22
HSL	222°, 55%, 52%
HSV	222°, 66%, 78%
XYZ	18.1087, 16.0885, 56.8011
YIQ	106.2290, -53.9680, 19.9200

Conversions

Conversions Part 2

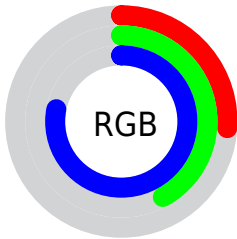
Format	Color
R_{YB}	67, 98, 200
Decimal	4418760
CIE _{Lab}	47.09, 15.77, -52.22
CIE _{LCh}	47, 54.553, 286.800
Yxy	16.0885, 0.1990, 0.1768
Android (android.graphics.Color)	4282608840 (0xFF436CC8)
YUV	106.2290, 46.2291, -34.4038
Hunter-Lab	40.1105, 10.3940, -55.8843

Details

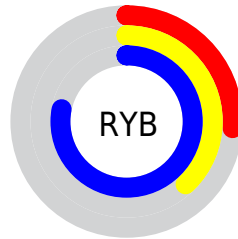
The Yxy color **16.0885, 0.1990, 0.1768** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **37.5307, 0.4363, 0.4395**, and the grayscale version is **14.3675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6055, 0.2241, 0.2085**, and **5.3818, 0.1711, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **12.8064, 0.1843, 0.1512**, and if you desaturate by 10%, it is **20.0798, 0.2157, 0.2033**.

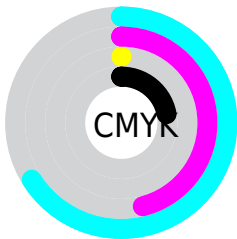
Distribution



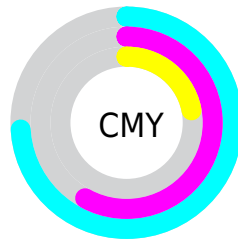
- Red (26%)
- Green (42%)
- Blue (78%)



- Red (26%)
- Yellow (38%)
- Blue (78%)



- Cyan (66%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (74%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0885, 0.1990, 0.1768 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 16.0885, 0.1990, 0.1768 by changing the saturation by 10% instead.

■ 16.0885, 0.1990,
0.1768

■ 16.0885, 0.1990,
0.1768

■ 229.8634, 0.2622,
0.2570

■ 9.5868, 0.1820,
0.1568

■ 36.7518, 0.2231,
0.2063

■ 5.1259, 0.1599,
0.1317

■ 51.6821, 0.2318,
0.2173

■ 2.3213, 0.1308,
0.1005

■ 70.1909, 0.2391,
0.2266

■ 0.7849, 0.0928,
0.0625

■ 92.6623, 0.2452,
0.2345

■ 0.0000, 0.0136,
0.0000

■ 119.4809, 0.2504,
0.2413

■ 0.0000, 0.0000,
0.0000

151.0310, 0.2549,

0.2472

187.6970, 0.2588,
0.2524

■ 16.0885, 0.1990,
0.1768

■ 16.0885, 0.1990,
0.1768

■ 12.8064, 0.1843,
0.1512

■ 20.0798, 0.2157,
0.2033

■ 10.1838, 0.1725,
0.1275

■ 24.8219, 0.2335,
0.2294

■ 8.1636, 0.1639,
0.1071

■ 30.3545, 0.2517,
0.2544

■ 7.5632, 0.1613,
0.1006

■ 36.7138, 0.2696,
0.2777

■ 43.9339, 0.2868,
0.2989

■ 52.0465, 0.3029,
0.3179

■ 61.0819, 0.3179,
0.3347

■ 71.0687, 0.3316,
0.3496

■ 82.0345, 0.3441,
0.3625

Harmonies

Analogous

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



16.0885, 0.1525, 0.1847



16.0885, 0.1990, 0.1768



16.0885, 0.2823, 0.1972

Triad

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



16.0885, 0.1990, 0.1768



16.0885, 0.5225, 0.3737



16.0885, 0.2200, 0.4442

Complementary

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



16.0885, 0.1990, 0.1768



37.5307, 0.4363, 0.4395

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.



16.0885, 0.3113, 0.5264



16.0885, 0.1990, 0.1768



16.0885, 0.4868, 0.4478

Square

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



16.0885, 0.1990, 0.1768



16.0885, 0.4893, 0.3039



16.0885, 0.4080, 0.5135



16.0885, 0.1599, 0.3189

Rectangle

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



16.0885, 0.1990, 0.1768



16.0885, 0.3549, 0.2248



16.0885, 0.4080, 0.5135



16.0885, 0.2481, 0.4812

Sweetspot

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



16.0890, 0.1990, 0.1768



71.0786, 0.2803, 0.2910



44.9769, 0.2566, 0.3960



14.4536, 0.2754, 0.2849



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.



16.0890, 0.1990, 0.1768



19.8999, 0.1784, 0.1397



10.4459, 0.2024, 0.1258



10.8107, 0.2983, 0.3125



4.9492, 0.1620, 0.1031



0.3644, 0.1740, 0.1463

Inverse Universe

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



17.3903, 0.4606, 0.2806



24.8366, 0.5134, 0.2806



50.9092, 0.3817, 0.4920



10.6898, 0.3242, 0.3219



8.0396, 0.5713, 0.2921



0.3938, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 16.0885, 0.1990, 0.1768 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 16.0885, 0.1990, 0.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

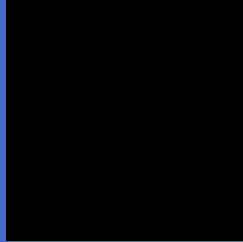
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0885, 0.1990, 0.1768

Background



This preview shows how black text looks on a background with the Yxy color 16.0885, 0.1990, 0.1768.



This preview shows how white text looks on a background with the Yxy color 16.0885, 0.1990, 0.1768.

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

16.0885, 0.1990, 0.1768

Protanopia

16.0885, 0.1990, 0.1768

Deuteranopia

16.1280, 0.1864, 0.1812



Tritanopia

15.9785, 0.2213, 0.3061

Trichromacy



Original Color

16.0885, 0.1990, 0.1768

Protanomaly

16.0885, 0.1990, 0.1768

Deuteranomaly

15.9435, 0.1895, 0.1791

Tritanomaly

15.7485, 0.2096, 0.2490

Monochromacy



Original Color

16.0885, 0.1990, 0.1768

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.6842, 0.2573, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0885, 0.1990, 0.1768 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(67, 108, 200)` looks like.

```
.text, #text, p{  
  color:rgb(67, 108, 200)  
}
```

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(67, 108, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 108, 200) }
```

Border

The CSS property to change the border of an element to Yxy 16.0885, 0.1990, 0.1768 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(67, 108, 200) }
```

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

```
.border{ border-color:rgb(67, 108, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 108, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 108, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 108, 200);  
box-shadow:4px 4px 4px 4px rgb(67, 108,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0885, 0.1990, 0.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 108, 200) }
```

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

```
.background{ background-color: rgb(67, 108,  
200) }
```

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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