

Converting Colors

$Y_{xy}(16.8670, 0.2058, 0.1989)$

Have a look what the booklet for
Yxy(16.8670, 0.2058, 0.1989)
contains.

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Color

$Y_{xy}(16.8670, 0.2058, 0.1989)$

Conversions

Conversions Part 1

Format	Color
Hex	4272BD
RGB	66, 114, 189
RGB Percent	26%, 45%, 74%
CMY	0.7410, 0.5530, 0.2588
CMYK	0.65, 0.40, 0.00, 0.26
HSL	217°, 48%, 50%
HSV	217°, 65%, 74%
XYZ	17.4521, 16.8670, 50.4823
YIQ	108.1980, -52.6830, 13.1490

Conversions

Conversions Part 2

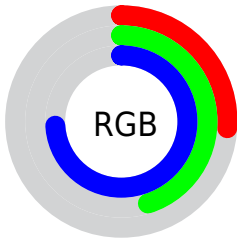
Format	Color
R _Y B	66, 101, 189
Decimal	4354749
CIE Lab	48.09, 7.93, -44.29
CIE LCh	48, 44.996, 280.151
Yxy	16.8670, 0.2058, 0.1989
Android (android.graphics.Color)	4282544829 (0xFF4272BD)
YUV	108.1980, 39.8354, -37.0076
Hunter-Lab	41.0695, 3.9806, -44.1302

Details

The Yxy color **16.8670, 0.2058, 0.1989** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.2827, 0.4429, 0.4257**, and the grayscale version is **14.9556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9241, 0.2282, 0.2245**, and **5.7636, 0.1780, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **13.8761, 0.1918, 0.1755**, and if you desaturate by 10%, it is **20.4038, 0.2216, 0.2224**.

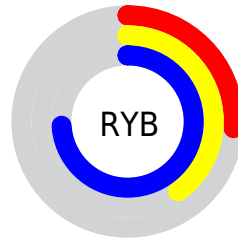
Distribution



Red (26%)

Green (45%)

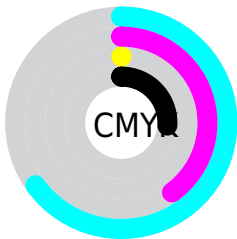
Blue (74%)



Red (26%)

Yellow (40%)

Blue (74%)

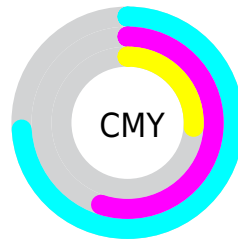


Cyan (65%)

Magenta (40%)

Yellow (0%)

Black (26%)



Cyan (74%)

Magenta (55%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8670, 0.2058, 0.1989 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 16.8670, 0.2058, 0.1989 by changing the saturation by 10% instead.

■ 16.8670, 0.2058,
0.1989

■ 16.8670, 0.2058,
0.1989

■ 234.4048, 0.2652,
0.2692

■ 10.1397, 0.1895,
0.1804

■ 38.0970, 0.2286,
0.2254

■ 5.4917, 0.1681,
0.1565

■ 53.3684, 0.2368,
0.2351

■ 2.5385, 0.1394,
0.1253

■ 72.2567, 0.2436,
0.2432

■ 0.8959, 0.1005,
0.0848

■ 95.1463, 0.2493,
0.2500

■ 0.0000, 0.0000,
0.0000

■ 122.4215, 0.2542,
0.2559

154.4667, 0.2584,

0.2609

191.6663, 0.2620,
0.2654

■ 16.8670, 0.2058,
0.1989

■ 16.8670, 0.2058,
0.1989

■ 13.8761, 0.1918,
0.1755

■ 20.4038, 0.2216,
0.2224

■ 11.3951, 0.1801,
0.1531

■ 24.5158, 0.2384,
0.2452

■ 9.3845, 0.1712,
0.1325

■ 29.2316, 0.2556,
0.2668

■ 8.5310, 0.1675,
0.1231

■ 34.5772, 0.2727,
0.2869

■ 40.5770, 0.2893,
0.3051

■ 47.2539, 0.3051,
0.3214

■ 54.6297, 0.3199,
0.3360

■ 62.7250, 0.3337,
0.3488

■ 71.5598, 0.3464,
0.3601

Harmonies

Analogous

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



16.8670, 0.1712, 0.2136



16.8670, 0.2058, 0.1989



16.8670, 0.2707, 0.2111

Triad

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



16.8670, 0.2058, 0.1989



16.8670, 0.4847, 0.3587



16.8670, 0.2538, 0.4398

Complementary

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



16.8670, 0.2058, 0.1989



30.2827, 0.4429, 0.4257

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.



16.8670, 0.3345, 0.4909



16.8670, 0.2058, 0.1989



16.8670, 0.4708, 0.4214

Square

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



16.8670, 0.2058, 0.1989



16.8670, 0.4425, 0.2980



16.8670, 0.4137, 0.4750



16.8670, 0.1938, 0.3445

Rectangle

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



16.8670, 0.2058, 0.1989



16.8670, 0.3280, 0.2322



16.8670, 0.4137, 0.4750



16.8670, 0.2795, 0.4643

Sweetspot

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



16.8675, 0.2058, 0.1989



66.8597, 0.2807, 0.2957



39.4457, 0.2632, 0.4124



13.7406, 0.2760, 0.2905



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.8675, 0.2058, 0.1989



22.8788, 0.1866, 0.1659



9.2117, 0.1968, 0.1267



9.8191, 0.2984, 0.3146



5.8787, 0.1682, 0.1254



0.3581, 0.1819, 0.1748

Inverse Universe

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



15.9370, 0.4363, 0.2677



23.5680, 0.4800, 0.2642



46.1043, 0.3902, 0.4830



9.5963, 0.3229, 0.3201



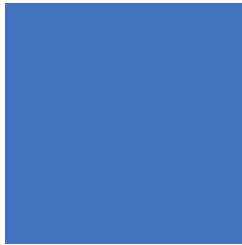
7.6231, 0.5390, 0.2743



0.3115, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 16.8670, 0.2058, 0.1989 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 16.8670, 0.2058, 0.1989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

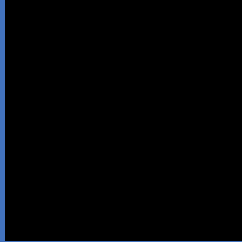
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8670, 0.2058, 0.1989

Background



This preview shows how black text looks on a background with the Yxy color 16.8670, 0.2058, 0.1989.



This preview shows how white text looks on a background with the Yxy color 16.8670, 0.2058, 0.1989.

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

16.8670, 0.2058, 0.1989

Protanopia

16.7530, 0.2167, 0.2004

Deuteranopia

16.7987, 0.2047, 0.1986



Tritanopia

16.7849, 0.2257, 0.3046

Trichromacy



Original Color

16.8670, 0.2058, 0.1989

Protanomaly

16.7540, 0.2125, 0.1997

Deuteranomaly

16.8326, 0.2052, 0.1988

Tritanomaly

16.6221, 0.2169, 0.2598

Monochromacy



Original Color

16.8670, 0.2058, 0.1989

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.2852, 0.2620, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8670, 0.2058, 0.1989 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(66, 114, 189)` looks like.

```
.text, #text, p{  
    color:rgb(66, 114, 189)  
}
```

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(66, 114, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 114, 189) }
```

Border

The CSS property to change the border of an element to Yxy 16.8670, 0.2058, 0.1989 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(66, 114, 189) }
```

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

```
.border{ border-color:rgb(66, 114, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 114, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 114, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 114, 189);  
box-shadow:4px 4px 4px 4px rgb(66, 114,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8670, 0.2058, 0.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 114, 189) }
```

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

```
.background{ background-color: rgb(66, 114,  
189) }
```

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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