

Converting Colors

$Yxy(17.1912, 0.2100, 0.2039)$

Have a look what the booklet for
Yxy(17.1912, 0.2100, 0.2039)
contains.

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Color

Yxy(17.1889, 0.2100, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	4773BB
RGB	71, 115, 187
RGB Percent	28%, 45%, 73%
CMY	0.7214, 0.5491, 0.2666
CMYK	0.62, 0.39, 0.00, 0.27
HSL	217°, 46%, 51%
HSV	217°, 62%, 73%
XYZ	17.7031, 17.1889, 49.4086
YIQ	110.0520, -49.3360, 13.0640

Conversions

Conversions Part 2

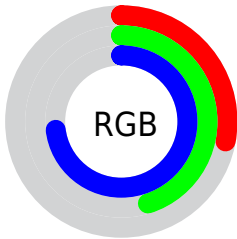
Format	Color
R _Y B	71, 103, 187
Decimal	4682683
CIE Lab	48.50, 7.54, -42.49
CIE LCh	48, 43.151, 280.063
Yxy	17.1889, 0.2100, 0.2039
Android (android.graphics.Color)	4282872763 (0xFF4773BB)
YUV	110.0520, 37.9354, -34.2486
Hunter-Lab	41.4595, 3.6651, -41.6361

Details

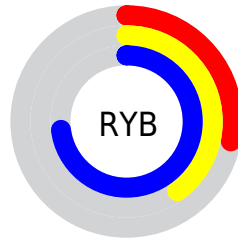
The Yxy color **17.1889, 0.2100, 0.2039** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.6931, 0.4347, 0.4239**, and the grayscale version is **15.5121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8362, 0.2319, 0.2297**, and **5.8277, 0.1794, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **14.1031, 0.1952, 0.1800**, and if you desaturate by 10%, it is **20.8274, 0.2263, 0.2277**.

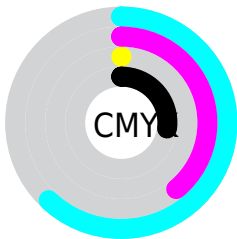
Distribution



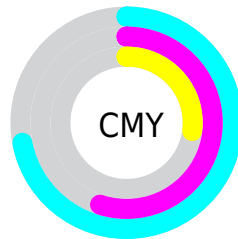
- Red (28%)
- Green (45%)
- Blue (73%)



- Red (28%)
- Yellow (40%)
- Blue (73%)



- Cyan (62%)
- Magenta (39%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (55%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1889, 0.2100, 0.2039 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 17.1889, 0.2100, 0.2039 by changing the saturation by 10% instead.

■ 17.1889, 0.2100,
0.2039

■ 17.1889, 0.2100,
0.2039

236.2586, 0.2671,
0.2717

■ 10.3693, 0.1943,
0.1859

■ 38.6503, 0.2320,
0.2295

■ 5.6445, 0.1735,
0.1626

■ 54.0608, 0.2399,
0.2389

■ 2.6301, 0.1453,
0.1318

■ 73.1038, 0.2464,
0.2467

■ 0.9418, 0.1067,
0.0913

■ 96.1635, 0.2519,
0.2532

■ 0.0000, 0.0062,
0.0000

■ 123.6245, 0.2566,
0.2589

■ 0.0000, 0.0000,
0.0000

155.8711, 0.2606,

0.2637

193.2876, 0.2641,
0.2680

■ 17.1889, 0.2100,
0.2039

■ 17.1889, 0.2100,
0.2039

■ 14.1031, 0.1952,
0.1800

■ 20.8274, 0.2263,
0.2277

■ 11.5351, 0.1827,
0.1569

■ 25.0466, 0.2434,
0.2506

■ 9.4477, 0.1728,
0.1355

■ 29.8744, 0.2608,
0.2721

■ 8.0767, 0.1667,
0.1200

■ 35.3363, 0.2778,
0.2920

■ 41.4561, 0.2942,
0.3099

■ 48.2563, 0.3097,
0.3260

■ 55.7583, 0.3242,
0.3403

■ 63.9824, 0.3376,
0.3528

■ 72.9482, 0.3499,
0.3638

Harmonies

Analogous

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



17.1889, 0.1765, 0.2186



17.1889, 0.2100, 0.2039



17.1889, 0.2726, 0.2155

Triad

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



17.1889, 0.2100, 0.2039



17.1889, 0.4769, 0.3583



17.1889, 0.2571, 0.4341

Complementary

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



17.1889, 0.2100, 0.2039



30.6931, 0.4347, 0.4239

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.



17.1889, 0.3346, 0.4828



17.1889, 0.2100, 0.2039



17.1889, 0.4645, 0.4187

Square

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



17.1889, 0.2100, 0.2039



17.1889, 0.4362, 0.2996



17.1889, 0.4105, 0.4690



17.1889, 0.1990, 0.3444

Rectangle

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



17.1889, 0.2100, 0.2039



17.1889, 0.3274, 0.2359



17.1889, 0.4105, 0.4690



17.1889, 0.2818, 0.4572

Sweetspot

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



17.1895, 0.2100, 0.2039



66.1130, 0.2823, 0.2970



38.8603, 0.2632, 0.4042



13.8935, 0.2775, 0.2916



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.



17.1895, 0.2100, 0.2039



23.6884, 0.1909, 0.1725



10.0141, 0.2043, 0.1370



9.8019, 0.2984, 0.3144



5.6931, 0.1673, 0.1223



0.3500, 0.1811, 0.1719

Inverse Universe

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



16.3183, 0.4296, 0.2712



24.1109, 0.4702, 0.2663



44.9444, 0.3860, 0.4785



9.5946, 0.3230, 0.3203



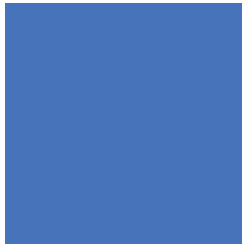
7.6044, 0.5434, 0.2767



0.3107, 0.4783, 0.2408

Previews

White Background



This preview shows how the Yxy color 17.1889, 0.2100, 0.2039 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 17.1889, 0.2100, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

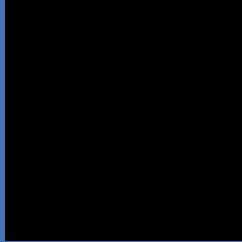
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1889, 0.2100, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 17.1889, 0.2100, 0.2039.

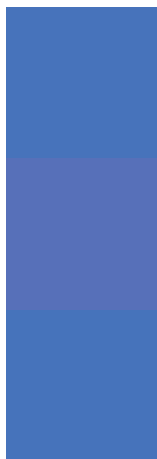


This preview shows how white text looks on a background with the Yxy color 17.1889, 0.2100, 0.2039.

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

17.1889, 0.2100, 0.2039

Protanopia

17.1174, 0.2205, 0.2042

Deuteranopia

17.1514, 0.2094, 0.2038



Tritanopia

17.2801, 0.2317, 0.3072

Trichromacy



Original Color

17.1889, 0.2100, 0.2039

Protanomaly

17.1048, 0.2160, 0.2035

Deuteranomaly

17.1514, 0.2094, 0.2038

Tritanomaly

17.0979, 0.2220, 0.2626

Monochromacy



Original Color

17.1889, 0.2100, 0.2039

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9101, 0.2648, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1889, 0.2100, 0.2039 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(71, 115, 187)` looks like.

```
.text, #text, p{  
    color:rgb(71, 115, 187)  
}
```

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(71, 115, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 115, 187) }
```

Border

The CSS property to change the border of an element to Yxy 17.1889, 0.2100, 0.2039 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(71, 115, 187) }
```

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

```
.border{ border-color:rgb(71, 115, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 115, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 115, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 115, 187); box-shadow:4px 4px 4px 4px rgb(71, 115, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1889, 0.2100, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 115, 187) }
```

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

```
.background{ background-color: rgb(71, 115,  
187) }
```

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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