

Converting Colors

$Y_{xy}(20.1017, 0.2066, 0.1947)$

Have a look what the booklet for
Yxy(20.1017, 0.2066, 0.1947)
contains.

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Color

$Y_{xy}(20.0018, 0.2065, 0.1941)$

Conversions

Conversions Part 1

Format	Color
Hex	4D7ACF
RGB	77, 122, 207
RGB Percent	30%, 48%, 81%
CMY	0.6982, 0.5215, 0.1883
CMYK	0.63, 0.41, 0.00, 0.19
HSL	219°, 58%, 56%
HSV	219°, 63%, 81%
XYZ	21.2796, 20.0018, 61.7675
YIQ	118.2350, -54.1050, 16.8950

Conversions

Conversions Part 2

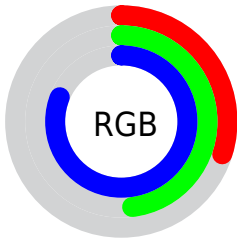
Format	Color
R _Y B	77, 110, 207
Decimal	5077711
CIE Lab	51.84, 11.20, -48.60
CIE LCh	52, 49.872, 282.974
Yxy	20.0018, 0.2065, 0.1941
Android (android.graphics.Color)	4283267791 (0xFF4D7ACF)
YUV	118.2350, 43.7611, -36.1631
Hunter-Lab	44.7234, 6.6653, -50.5792

Details

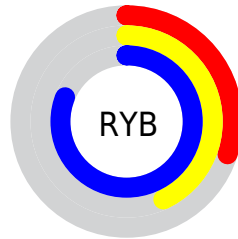
The Yxy color **20.0018, 0.2065, 0.1941** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **39.6240, 0.4338, 0.4299**, and the grayscale version is **18.0653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8105, 0.2328, 0.2291**, and **7.1646, 0.1767, 0.1559** is the 20% darker color. If you saturate the color by 10%, you get **16.1799, 0.1915, 0.1691**, and if you desaturate by 10%, it is **24.5614, 0.2232, 0.2193**.

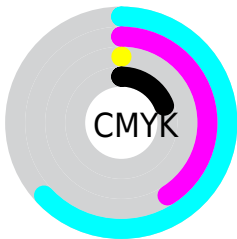
Distribution



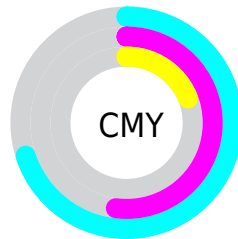
- Red (30%)
- Green (48%)
- Blue (81%)



- Red (30%)
- Yellow (43%)
- Blue (81%)



- Cyan (63%)
- Magenta (41%)
- Yellow (0%)
- Black (19%)



- Cyan (70%)
- Magenta (52%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0018, 0.2065, 0.1941 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 20.0018, 0.2065, 0.1941 by changing the saturation by 10% instead.

■ 20.0018, 0.2065,
0.1941

■ 20.0018, 0.2065,
0.1941

251.9249, 0.2640,
0.2645

■ 12.3964, 0.1914,
0.1765

■ 43.4202, 0.2281,
0.2199

■ 7.0142, 0.1718,
0.1542

■ 60.0019, 0.2361,
0.2296

■ 3.4710, 0.1460,
0.1259

■ 80.3446, 0.2427,
0.2378

■ 1.3823, 0.1117,
0.0900

■ 104.8325, 0.2483,
0.2447

■ 0.2036, 0.0625,
0.0273

133.8501, 0.2531,
0.2507

■ 0.0000, 0.0000,
0.0000

167.7817, 0.2572,

0.2559

207.0119, 0.2608,
0.2605

■ 20.0018, 0.2065,
0.1941

■ 20.0018, 0.2065,
0.1941

■ 16.1799, 0.1915,
0.1691

■ 24.5614, 0.2232,
0.2193

■ 13.0477, 0.1788,
0.1453

■ 29.8981, 0.2408,
0.2437

■ 10.5530, 0.1692,
0.1237

■ 36.0506, 0.2586,
0.2668

■ 9.1015, 0.1639,
0.1100

■ 43.0540, 0.2760,
0.2880

■ 50.9412, 0.2928,
0.3073

■ 59.7436, 0.3085,
0.3245

■ 69.4904, 0.3231,
0.3398

■ 80.2100, 0.3365,
0.3531

■ 90.3283, 0.3431,
0.3655

Harmonies

Analogous

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



20.0018, 0.1680, 0.2061



20.0018, 0.2065, 0.1941



20.0018, 0.2765, 0.2092

Triad

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



20.0018, 0.2065, 0.1941



20.0018, 0.4934, 0.3648



20.0018, 0.2436, 0.4373

Complementary

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



20.0018, 0.2065, 0.1941



39.6240, 0.4338, 0.4299

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.



20.0018, 0.3263, 0.4974



20.0018, 0.2065, 0.1941



20.0018, 0.4729, 0.4299

Square

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



20.0018, 0.2065, 0.1941



20.0018, 0.4551, 0.3019



20.0018, 0.4098, 0.4848



20.0018, 0.1847, 0.3352

Rectangle

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



20.0018, 0.2065, 0.1941



20.0018, 0.3375, 0.2323



20.0018, 0.4098, 0.4848



20.0018, 0.2696, 0.4650

Sweetspot

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



20.0024, 0.2065, 0.1941



73.3744, 0.2821, 0.2952



48.7903, 0.2604, 0.3989



14.9474, 0.2772, 0.2894



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.



20.0024, 0.2065, 0.1941



24.2670, 0.1873, 0.1616



12.3201, 0.2053, 0.1346



12.0778, 0.2982, 0.3134



5.8948, 0.1646, 0.1125



0.4764, 0.1750, 0.1501

Inverse Universe

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



19.9731, 0.4402, 0.2756



26.5104, 0.4837, 0.2723



55.7858, 0.3832, 0.4830



11.8749, 0.3237, 0.3210



8.6664, 0.5574, 0.2844



0.4994, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 20.0018, 0.2065, 0.1941 looks on a white 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

Black Background



This preview shows how the Yxy color 20.0018, 0.2065, 0.1941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

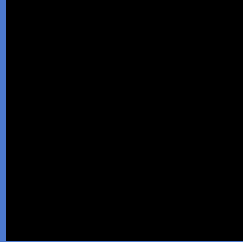
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0018, 0.2065, 0.1941

Background



This preview shows how black text looks on a background with the Yxy color 20.0018, 0.2065, 0.1941.



This preview shows how white text looks on a background with the Yxy color 20.0018, 0.2065, 0.1941.

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

20.0018, 0.2065, 0.1941

Protanopia

19.9154, 0.2131, 0.1950

Deuteranopia

20.0441, 0.2015, 0.1955



Tritanopia

19.9612, 0.2292, 0.3064

Trichromacy



Original Color

20.0018, 0.2065, 0.1941

Protanomaly

20.0158, 0.2105, 0.1948

Deuteranomaly

19.9361, 0.2029, 0.1945

Tritanomaly

19.6623, 0.2192, 0.2575

Monochromacy



Original Color

20.0018, 0.2065, 0.1941

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2792, 0.2624, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0018, 0.2065, 0.1941 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(77, 122, 207)` looks like.

```
.text, #text, p{  
    color:rgb(77, 122, 207)  
}
```

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(77, 122, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 122, 207) }
```

Border

The CSS property to change the border of an element to Yxy 20.0018, 0.2065, 0.1941 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(77, 122, 207) }
```

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

```
.border{ border-color:rgb(77, 122, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 122, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 122, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 122, 207);  
box-shadow:4px 4px 4px 4px rgb(77, 122,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0018, 0.2065, 0.1941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 122, 207) }
```

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

```
.background{ background-color: rgb(77, 122,  
207) }
```

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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