

Converting Colors

$Yxy(18.0455, 0.2092, 0.1884)$

Have a look what the booklet for
Yxy(18.0455, 0.2092, 0.1884)
contains.

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Color

Yxy(18.0455, 0.2092, 0.1884)

Conversions

Conversions Part 1

Format	Color
Hex	5272C9
RGB	82, 114, 201
RGB Percent	32%, 45%, 79%
CMY	0.6786, 0.5529, 0.2117
CMYK	0.59, 0.43, 0.00, 0.21
HSL	224°, 52%, 55%
HSV	224°, 59%, 79%
XYZ	20.0378, 18.0455, 57.6996
YIQ	114.3500, -46.9990, 20.2730

Conversions

Conversions Part 2

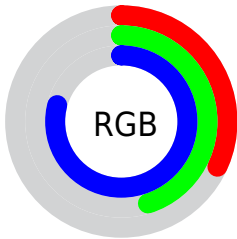
Format	Color
R_{YB}	82, 107, 201
Decimal	5403337
CIE _{Lab}	49.55, 15.03, -48.83
CIE _{LCh}	50, 51.088, 287.114
Yxy	18.0455, 0.2092, 0.1884
Android (android.graphics.Color)	4283593417 (0xFF5272C9)
YUV	114.3500, 42.7185, -28.3709
Hunter-Lab	42.4800, 9.8583, -50.7963

Details

The Yxy color **18.0455, 0.2092, 0.1884** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **41.3900, 0.4187, 0.4355**, and the grayscale version is **16.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7057, 0.2324, 0.2181**, and **6.0896, 0.1743, 0.1475** is the 20% darker color. If you saturate the color by 10%, you get **14.2215, 0.1926, 0.1610**, and if you desaturate by 10%, it is **22.6668, 0.2273, 0.2161**.

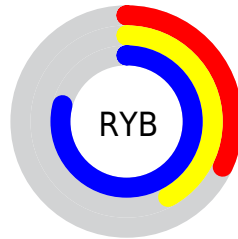
Distribution



Red (32%)

Green (45%)

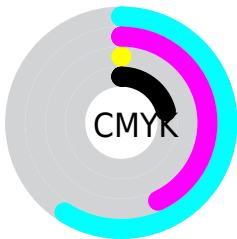
Blue (79%)



Red (32%)

Yellow (42%)

Blue (79%)

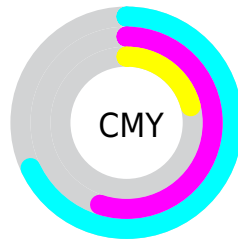


Cyan (59%)

Magenta (43%)

Yellow (0%)

Black (21%)



Cyan (68%)

Magenta (55%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0455, 0.2092, 0.1884 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 18.0455, 0.2092, 0.1884 by changing the saturation by 10% instead.

■ 18.0455, 0.2092,
0.1884

■ 18.0455, 0.2092,
0.1884

■ 241.1274, 0.2663,
0.2622

■ 10.9827, 0.1938,
0.1698

■ 40.1148, 0.2310,
0.2156

■ 6.0552, 0.1736,
0.1464

■ 55.8901, 0.2389,
0.2257

■ 2.8787, 0.1468,
0.1167

■ 75.3384, 0.2454,
0.2342

■ 1.0687, 0.1107,
0.0794

■ 98.8439, 0.2510,
0.2415

■ 0.0000, 0.0515,
0.0000

■ 126.7912, 0.2557,
0.2478

■ 0.0000, 0.0000,
0.0000

159.5646, 0.2597,

0.2532

197.5485, 0.2632,
0.2580

■ 18.0455, 0.2092,
0.1884

■ 18.0455, 0.2092,
0.1884

■ 14.2215, 0.1926,
0.1610

■ 22.6668, 0.2273,
0.2161

■ 11.1438, 0.1783,
0.1351

■ 28.1281, 0.2459,
0.2429

■ 8.7575, 0.1672,
0.1121

■ 34.4712, 0.2643,
0.2681

■ 6.9843, 0.1594,
0.0932

■ 41.7343, 0.2819,
0.2911

■ 6.8686, 0.1589,
0.0919

■ 49.9532, 0.2985,
0.3119

■ 59.1620, 0.3138,
0.3303

■ 69.3928, 0.3278,
0.3465

■ 80.6764, 0.3405,
0.3607

■ 91.5197, 0.3464,
0.3739

Harmonies

Analogous

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



18.0455, 0.1649, 0.1962



18.0455, 0.2092, 0.1884



18.0455, 0.2867, 0.2077

Triad

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



18.0455, 0.2092, 0.1884



18.0455, 0.5038, 0.3743



18.0455, 0.2287, 0.4305

Complementary

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



18.0455, 0.2092, 0.1884



41.3900, 0.4187, 0.4355

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.



18.0455, 0.3131, 0.5046



18.0455, 0.2092, 0.1884



18.0455, 0.4734, 0.4423

Square

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



18.0455, 0.2092, 0.1884



18.0455, 0.4728, 0.3084



18.0455, 0.4021, 0.4985



18.0455, 0.1723, 0.3203

Rectangle

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



18.0455, 0.2092, 0.1884



18.0455, 0.3527, 0.2337



18.0455, 0.4021, 0.4985



18.0455, 0.2547, 0.4630

Sweetspot

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



18.0461, 0.2092, 0.1884



72.7458, 0.2836, 0.2933



46.3763, 0.2577, 0.3809



14.7395, 0.2785, 0.2868



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.



18.0461, 0.2092, 0.1884



22.7657, 0.1884, 0.1536



13.4165, 0.2191, 0.1492



10.7444, 0.2983, 0.3116



4.4488, 0.1595, 0.0943



0.3342, 0.1714, 0.1370

Inverse Universe

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



19.6621, 0.4437, 0.2894



27.5735, 0.4906, 0.2864



51.5325, 0.3735, 0.4795



10.6831, 0.3248, 0.3228



7.9891, 0.5845, 0.2994



0.3908, 0.5232, 0.2656

Previews

White Background



This preview shows how the Yxy color 18.0455, 0.2092, 0.1884 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 18.0455, 0.2092, 0.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

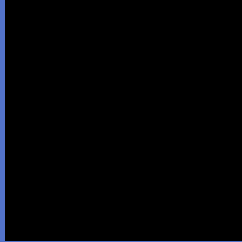
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0455, 0.2092, 0.1884

Background



This preview shows how black text looks on a background with the Yxy color 18.0455, 0.2092, 0.1884.



This preview shows how white text looks on a background with the Yxy color 18.0455, 0.2092, 0.1884.

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

18.0455, 0.2092, 0.1884

Protanopia

17.9139, 0.2074, 0.1878

Deuteranopia

17.9969, 0.1984, 0.1920



Tritanopia

18.0855, 0.2362, 0.3077

Trichromacy



Original Color

18.0455, 0.2092, 0.1884

Protanomaly

17.9571, 0.2080, 0.1880

Deuteranomaly

18.0510, 0.2020, 0.1916

Tritanomaly

17.8629, 0.2246, 0.2556

Monochromacy



Original Color

18.0455, 0.2092, 0.1884

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9347, 0.2640, 0.2679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0455, 0.2092, 0.1884 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(82, 114, 201)` looks like.

```
.text, #text, p{  
    color:rgb(82, 114, 201)  
}
```

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(82, 114, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 114, 201) }
```

Border

The CSS property to change the border of an element to Yxy 18.0455, 0.2092, 0.1884 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(82, 114, 201) }
```

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

```
.border{ border-color:rgb(82, 114, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 114, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 114, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 114, 201);  
box-shadow:4px 4px 4px 4px rgb(82, 114,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0455, 0.2092, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 114, 201) }
```

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

```
.background{ background-color: rgb(82, 114,  
201) }
```

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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