

Converting Colors

$Y_{xy}(18.3729, 0.2050, 0.1897)$

Have a look what the booklet for
Yxy(18.3729, 0.2050, 0.1897)
contains.

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Color

Yxy(18.4427, 0.2053, 0.1908)

Conversions

Conversions Part 1

Format	Color
Hex	4A75CA
RGB	74, 117, 202
RGB Percent	29%, 46%, 79%
CMY	0.7097, 0.5412, 0.2080
CMYK	0.63, 0.42, 0.00, 0.21
HSL	220°, 55%, 54%
HSV	220°, 63%, 79%
XYZ	19.8443, 18.4427, 58.3729
YIQ	113.8330, -52.9130, 17.3190

Conversions

Conversions Part 2

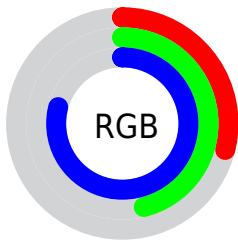
Format	Color
R_{YB}	74, 106, 202
Decimal	4879818
CIE _{Lab}	50.03, 12.01, -48.63
CIE _{LCh}	50, 50.092, 283.878
Yxy	18.4427, 0.2053, 0.1908
Android (android.graphics.Color)	4283069898 (0xFF4A75CA)
YUV	113.8330, 43.4663, -34.9335
Hunter-Lab	42.9450, 7.3287, -50.5284

Details

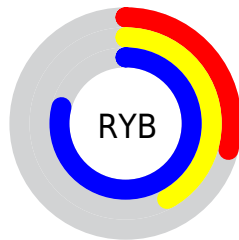
The Yxy color **18.4427, 0.2053, 0.1908** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **37.8410, 0.4336, 0.4319**, and the grayscale version is **16.6561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6643, 0.2299, 0.2222**, and **6.4869, 0.1758, 0.1530** is the 20% darker color. If you saturate the color by 10%, you get **14.8610, 0.1903, 0.1656**, and if you desaturate by 10%, it is **22.7307, 0.2221, 0.2163**.

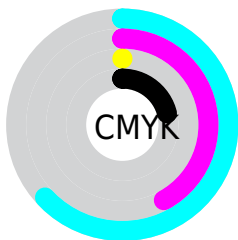
Distribution



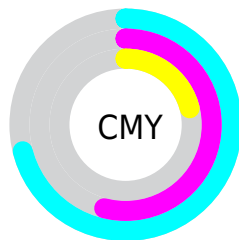
- Red (29%)
- Green (46%)
- Blue (79%)



- Red (29%)
- Yellow (42%)
- Blue (79%)



- Cyan (63%)
- Magenta (42%)
- Yellow (0%)
- Black (21%)




- Cyan (71%)
- Magenta (54%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4427, 0.2053, 0.1908 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 18.4427, 0.2053, 0.1908 by changing the saturation by 10% instead.


 18.4427, 0.2053,
0.1908


 18.4427, 0.2053,
0.1908


243.3546, 0.2641,
0.2635


 11.2683, 0.1896,
0.1724


 40.7902, 0.2276,
0.2176

 6.2476, 0.1692,
0.1492


 56.7322, 0.2357,
0.2276

 2.9962, 0.1422,
0.1196

 76.3654, 0.2425,
0.2360

 1.1298, 0.1062,
0.0824

 100.0743, 0.2482,
0.2432

 0.0032, 0.0468,
0.0005

 128.2433, 0.2531,
0.2493

 0.0000, 0.0000,
0.0000

161.2567, 0.2573,

0.2547

199.4990, 0.2609,
0.2594

■ 18.4427, 0.2053,
0.1908

■ 18.4427, 0.2053,
0.1908

■ 14.8610, 0.1903,
0.1656

■ 22.7307, 0.2221,
0.2163

■ 11.9393, 0.1777,
0.1416

■ 27.7634, 0.2397,
0.2412

■ 9.6269, 0.1681,
0.1202

■ 33.5780, 0.2576,
0.2646

■ 8.3785, 0.1632,
0.1076

■ 40.2086, 0.2751,
0.2863

■ 47.6871, 0.2919,
0.3060

■ 56.0435, 0.3077,
0.3236

■ 65.3065, 0.3223,
0.3391

■ 75.5033, 0.3358,
0.3528

■ 86.5078, 0.3475,
0.3648

Harmonies

Analogous

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



18.4427, 0.1651, 0.2019



18.4427, 0.2053, 0.1908



18.4427, 0.2779, 0.2070

Triad

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



18.4427, 0.2053, 0.1908



18.4427, 0.4990, 0.3669



18.4427, 0.2390, 0.4383

Complementary

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



18.4427, 0.2053, 0.1908



37.8410, 0.4336, 0.4319

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.



18.4427, 0.3233, 0.5025



18.4427, 0.2053, 0.1908



18.4427, 0.4756, 0.4336

Square

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



18.4427, 0.2053, 0.1908



18.4427, 0.4616, 0.3026



18.4427, 0.4094, 0.4903



18.4427, 0.1798, 0.3319

Rectangle

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



18.4427, 0.2053, 0.1908



18.4427, 0.3410, 0.2310



18.4427, 0.4094, 0.4903



18.4427, 0.2654, 0.4677

Sweetspot

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



18.4433, 0.2053, 0.1908



73.1026, 0.2821, 0.2946



46.1253, 0.2602, 0.3995



14.8823, 0.2772, 0.2888



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.



18.4433, 0.2053, 0.1908



23.2171, 0.1853, 0.1565



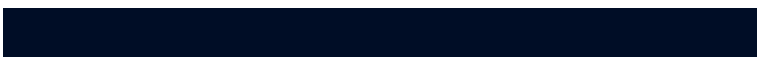
11.5023, 0.2045, 0.1333



11.4496, 0.2983, 0.3132



5.5412, 0.1639, 0.1100



0.4256, 0.1751, 0.1502

Inverse Universe

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



18.7379, 0.4439, 0.2771



26.1330, 0.4903, 0.2743



52.7627, 0.3835, 0.4838



11.2748, 0.3238, 0.3212



8.3624, 0.5611, 0.2865



0.4455, 0.5056, 0.2559

Previews

White Background



This preview shows how the Yxy color 18.4427, 0.2053, 0.1908 looks on a white background.

Color Contrast Check

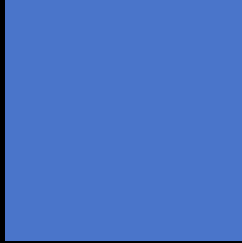
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4427, 0.2053, 0.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

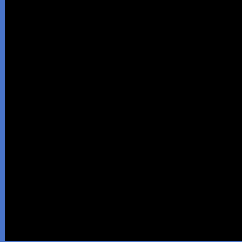
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4427, 0.2053, 0.1908

Background



This preview shows how black text looks on a background with the Yxy color 18.4427, 0.2053, 0.1908.



This preview shows how white text looks on a background with the Yxy color 18.4427, 0.2053, 0.1908.

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

18.4427, 0.2053, 0.1908

Protanopia

18.5017, 0.2100, 0.1917

Deuteranopia

18.5495, 0.1992, 0.1945



Tritanopia

18.3598, 0.2281, 0.3056

Trichromacy



Original Color

18.4427, 0.2053, 0.1908

Protanomaly

18.3701, 0.2082, 0.1911

Deuteranomaly

18.5007, 0.2015, 0.1936

Tritanomaly

18.0685, 0.2177, 0.2552

Monochromacy



Original Color

18.4427, 0.2053, 0.1908

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9894, 0.2611, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4427, 0.2053, 0.1908 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(74, 117, 202)` looks like.

```
.text, #text, p{  
    color:rgb(74, 117, 202)  
}
```

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(74, 117, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 202) }
```

Border

The CSS property to change the border of an element to Yxy 18.4427, 0.2053, 0.1908 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(74, 117, 202) }
```

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

```
.border{ border-color:rgb(74, 117, 202) }
```

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

Here you see how a box with a 4 pixel rgb(74, 117, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 202);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4427, 0.2053, 0.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 202) }
```

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

```
.background{ background-color: rgb(74, 117,  
202) }
```

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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