

Converting Colors

$Yxy(18.8197, 0.2119, 0.2063)$

Have a look what the booklet for
Yxy(18.8197, 0.2119, 0.2063)
contains.

Yxy(18.8197, 0.2119, 0.2063)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8197, 0.2119, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	4C78C1
RGB	76, 120, 193
RGB Percent	30%, 47%, 76%
CMY	0.7015, 0.5295, 0.2431
CMYK	0.61, 0.38, 0.00, 0.24
HSL	217°, 49%, 53%
HSV	217°, 61%, 76%
XYZ	19.3306, 18.8197, 53.0747
YIQ	115.1660, -49.6570, 13.3750

Conversions

Conversions Part 2

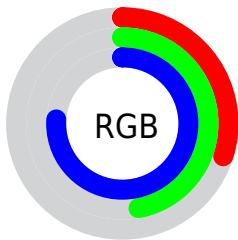
Format	Color
R_{YB}	76, 108, 193
Decimal	5011649
CIE _{Lab}	50.48, 7.51, -42.79
CIE _{LCh}	50, 43.441, 279.951
Yxy	18.8197, 0.2119, 0.2063
Android (android.graphics.Color)	4283201729 (0xFF4C78C1)
YUV	115.1660, 38.3722, -34.3486
Hunter-Lab	43.3817, 3.6204, -42.1703

Details

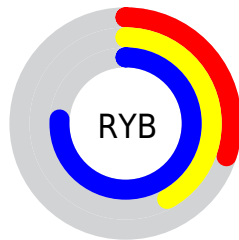
The Yxy color **18.8197, 0.2119, 0.2063** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **33.4067, 0.4314, 0.4229**, and the grayscale version is **17.0979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4755, 0.2330, 0.2310**, and **6.4988, 0.1799, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **15.4237, 0.1968, 0.1822**, and if you desaturate by 10%, it is **22.8195, 0.2284, 0.2302**.

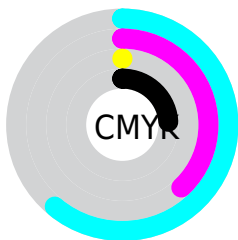
Distribution



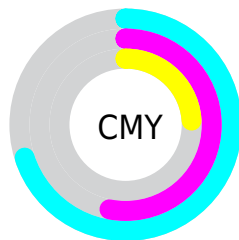
- Red (30%)
- Green (47%)
- Blue (76%)



- Red (30%)
- Yellow (42%)
- Blue (76%)



- Cyan (61%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)



- Cyan (70%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8197, 0.2119, 0.2063 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 18.8197, 0.2119, 0.2063 by changing the saturation by 10% instead.

■ 18.8197, 0.2119,
0.2063

■ 18.8197, 0.2119,
0.2063

■ 245.4516, 0.2673,
0.2720

■ 11.5401, 0.1969,
0.1891

■ 41.4292, 0.2330,
0.2309

■ 6.4313, 0.1771,
0.1669

■ 57.5279, 0.2407,
0.2400

■ 3.1091, 0.1506,
0.1378

■ 77.3350, 0.2470,
0.2476

■ 1.1889, 0.1143,
0.0993

■ 101.2350, 0.2524,
0.2540

■ 0.0527, 0.0449,
0.0101

■ 129.6123, 0.2569,
0.2595

■ 0.0000, 0.0000,
0.0000

162.8512, 0.2609,

0.2642

201.3362, 0.2643,
0.2684

■ 18.8197, 0.2119,
0.2063

■ 18.8197, 0.2119,
0.2063

■ 15.4237, 0.1968,
0.1822

■ 22.8195, 0.2284,
0.2302

■ 12.5942, 0.1839,
0.1588

■ 27.4532, 0.2457,
0.2531

■ 10.2915, 0.1736,
0.1371

■ 32.7511, 0.2631,
0.2746

■ 8.5404, 0.1663,
0.1186

■ 38.7404, 0.2801,
0.2944

■ 45.4469, 0.2965,
0.3122

■ 52.8949, 0.3119,
0.3282

■ 61.1076, 0.3262,
0.3423

■ 70.1069, 0.3395,
0.3547

■ 79.9140, 0.3516,
0.3655

Harmonies

Analogous

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



18.8197, 0.1790, 0.2210



18.8197, 0.2119, 0.2063



18.8197, 0.2733, 0.2176

Triad

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



18.8197, 0.2119, 0.2063



18.8197, 0.4732, 0.3580



18.8197, 0.2588, 0.4317

Complementary

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



18.8197, 0.2119, 0.2063



33.4067, 0.4314, 0.4229

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.



18.8197, 0.3348, 0.4790



18.8197, 0.2119, 0.2063



18.8197, 0.4616, 0.4171

Square

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



18.8197, 0.2119, 0.2063



18.8197, 0.4331, 0.3002



18.8197, 0.4091, 0.4661



18.8197, 0.2016, 0.3446

Rectangle

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



18.8197, 0.2119, 0.2063



18.8197, 0.3268, 0.2375



18.8197, 0.4091, 0.4661



18.8197, 0.2830, 0.4541

Sweetspot

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



18.8203, 0.2119, 0.2063



71.9975, 0.2839, 0.2986



41.8329, 0.2637, 0.4023



14.7239, 0.2791, 0.2931



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.8203, 0.2119, 0.2063



25.6923, 0.1919, 0.1737



11.1976, 0.2068, 0.1411



10.3534, 0.2984, 0.3142



5.8218, 0.1670, 0.1210



0.3843, 0.1798, 0.1671

Inverse Universe

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



17.8803, 0.4265, 0.2726



26.1517, 0.4684, 0.2671



48.2991, 0.3849, 0.4759



10.1390, 0.3231, 0.3204



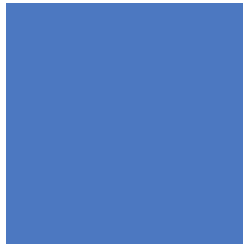
7.8699, 0.5452, 0.2777



0.3534, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 18.8197, 0.2119, 0.2063 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 18.8197, 0.2119, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

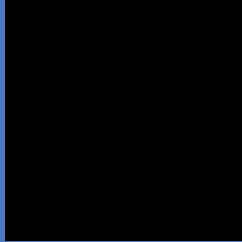
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8197, 0.2119, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 18.8197, 0.2119, 0.2063.



This preview shows how white text looks on a background with the Yxy color 18.8197, 0.2119, 0.2063.

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

18.8197, 0.2119, 0.2063

Protanopia

18.7595, 0.2223, 0.2066

Deuteranopia

18.8197, 0.2119, 0.2063



Tritanopia

18.8858, 0.2339, 0.3080

Trichromacy



Original Color

18.8197, 0.2119, 0.2063

Protanomaly

18.7411, 0.2179, 0.2059

Deuteranomaly

18.8197, 0.2119, 0.2063

Tritanomaly

18.7089, 0.2246, 0.2650

Monochromacy



Original Color

18.8197, 0.2119, 0.2063

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4725, 0.2664, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8197, 0.2119, 0.2063 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(76, 120, 193)` looks like.

```
.text, #text, p{  
    color:rgb(76, 120, 193)  
}
```

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(76, 120, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 120, 193) }
```

Border

The CSS property to change the border of an element to Yxy 18.8197, 0.2119, 0.2063 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(76, 120, 193) }
```

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

```
.border{ border-color:rgb(76, 120, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 120, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 120, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 120, 193);  
box-shadow:4px 4px 4px 4px rgb(76, 120,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8197, 0.2119, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 120, 193) }
```

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

```
.background{ background-color: rgb(76, 120,  
193) }
```

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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