

Converting Colors

$Yxy(18.0102, 0.2051, 0.2001)$

Have a look what the booklet for
Yxy(18.0102, 0.2051, 0.2001)
contains.

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Color

$Y_{xy}(18.0102, 0.2051, 0.2001)$

Conversions

Conversions Part 1

Format	Color
Hex	4276C2
RGB	66, 118, 194
RGB Percent	26%, 46%, 76%
CMY	0.7413, 0.5372, 0.2393
CMYK	0.66, 0.39, 0.00, 0.24
HSL	216°, 51%, 51%
HSV	216°, 66%, 76%
XYZ	18.4602, 18.0102, 53.5356
YIQ	111.1160, -55.3880, 12.6120

Conversions

Conversions Part 2

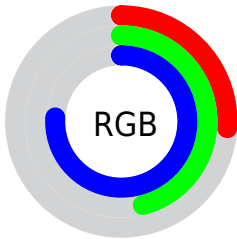
Format	Color
R _{YB}	66, 103, 194
Decimal	4355778
CIE Lab	49.51, 7.19, -44.91
CIE LCh	50, 45.482, 279.101
Yxy	18.0102, 0.2051, 0.2001
Android (android.graphics.Color)	4282545858 (0xFF4276C2)
YUV	111.1160, 40.8618, -39.5667
Hunter-Lab	42.4384, 3.3782, -45.0867

Details

The Yxy color **18.0102, 0.2051, 0.2001** 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 **31.1942, 0.4474, 0.4243**, and the grayscale version is **15.8219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1501, 0.2276, 0.2263**, and **6.2738, 0.1782, 0.1615** is the 20% darker color. If you saturate the color by 10%, you get **14.8991, 0.1915, 0.1773**, and if you desaturate by 10%, it is **21.6819, 0.2205, 0.2231**.

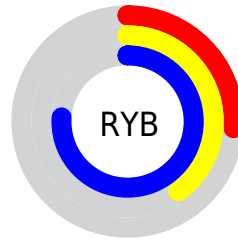
Distribution



Red (26%)

Green (46%)

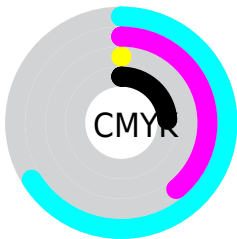
Blue (76%)



Red (26%)

Yellow (40%)

Blue (76%)

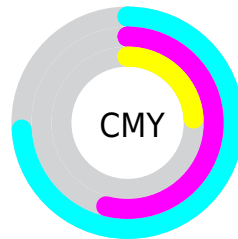


Cyan (66%)

Magenta (39%)

Yellow (0%)

Black (24%)



Cyan (74%)

Magenta (54%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0102, 0.2051, 0.2001 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 18.0102, 0.2051, 0.2001 by changing the saturation by 10% instead.

■ 18.0102, 0.2051,
0.2001

■ 18.0102, 0.2051,
0.2001

■ 240.9285, 0.2642,
0.2692

■ 10.9573, 0.1891,
0.1821

■ 40.0547, 0.2276,
0.2260

■ 6.0381, 0.1683,
0.1589

■ 55.8151, 0.2358,
0.2355

■ 2.8683, 0.1405,
0.1288

■ 75.2468, 0.2426,
0.2435

■ 1.0634, 0.1032,
0.0898

■ 98.7342, 0.2483,
0.2502

■ 0.0000, 0.0242,
0.0000

■ 126.6617, 0.2532,
0.2560

■ 0.0000, 0.0000,
0.0000

159.4136, 0.2574,

0.2610

197.3744, 0.2610,
0.2654

■ 18.0102, 0.2051,
0.2001

■ 18.0102, 0.2051,
0.2001

■ 14.8991, 0.1915,
0.1773

■ 21.6819, 0.2205,
0.2231

■ 12.3109, 0.1802,
0.1553

■ 25.9446, 0.2371,
0.2454

■ 10.2028, 0.1717,
0.1352

■ 30.8281, 0.2541,
0.2666

■ 9.4647, 0.1688,
0.1276

■ 36.3593, 0.2712,
0.2862

■ 42.5636, 0.2878,
0.3041

■ 49.4646, 0.3036,
0.3202

■ 57.0848, 0.3186,
0.3345

■ 65.4457, 0.3326,
0.3472

■ 74.5678, 0.3455,
0.3583

Harmonies

Analogous

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



18.0102, 0.1718, 0.2158



18.0102, 0.2051, 0.2001



18.0102, 0.2685, 0.2113

Triad

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



18.0102, 0.2051, 0.2001



18.0102, 0.4824, 0.3565



18.0102, 0.2571, 0.4412

Complementary

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



18.0102, 0.2051, 0.2001



31.1942, 0.4474, 0.4243

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.



18.0102, 0.3374, 0.4895



18.0102, 0.2051, 0.2001



18.0102, 0.4706, 0.4187

Square

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



18.0102, 0.2051, 0.2001



18.0102, 0.4387, 0.2964



18.0102, 0.4154, 0.4722



18.0102, 0.1966, 0.3477

Rectangle

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



18.0102, 0.2051, 0.2001



18.0102, 0.3248, 0.2317



18.0102, 0.4154, 0.4722



18.0102, 0.2827, 0.4647

Sweetspot

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



18.0108, 0.2051, 0.2001



72.1069, 0.2807, 0.2966



41.6489, 0.2640, 0.4178



15.0907, 0.2759, 0.2914



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.



18.0108, 0.2051, 0.2001



24.8856, 0.1864, 0.1678



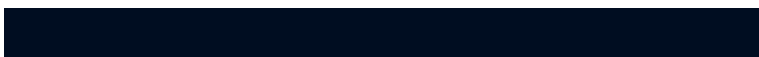
9.3512, 0.1933, 0.1228



10.4052, 0.2984, 0.3150



6.3758, 0.1695, 0.1300



0.4108, 0.1820, 0.1752

Inverse Universe

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



16.6697, 0.4356, 0.2644



25.0505, 0.4783, 0.2611



49.0786, 0.3930, 0.4836



10.1442, 0.3227, 0.3197



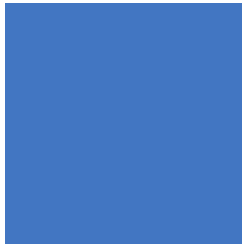
7.9259, 0.5326, 0.2708



0.3561, 0.4743, 0.2386

Previews

White Background



This preview shows how the Yxy color 18.0102, 0.2051, 0.2001 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 18.0102, 0.2051, 0.2001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

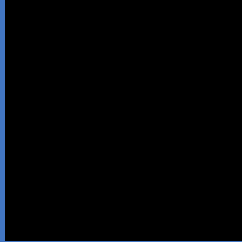
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

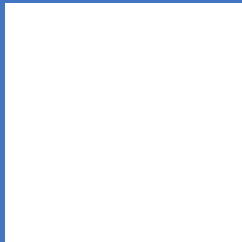
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0102, 0.2051, 0.2001

Background



This preview shows how black text looks on a background with the Yxy color 18.0102, 0.2051, 0.2001.



This preview shows how white text looks on a background with the Yxy color 18.0102, 0.2051, 0.2001.

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

18.0102, 0.2051, 0.2001

Protanopia

18.0493, 0.2181, 0.2022

Deuteranopia

18.0452, 0.2056, 0.2002



Tritanopia

17.9010, 0.2247, 0.3052

Trichromacy



Original Color

18.0102, 0.2051, 0.2001

Protanomaly

17.9588, 0.2126, 0.2012

Deuteranomaly

18.0452, 0.2056, 0.2002

Tritanomaly

17.7408, 0.2153, 0.2595

Monochromacy



Original Color

18.0102, 0.2051, 0.2001

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3906, 0.2613, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0102, 0.2051, 0.2001 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(66, 118, 194)` looks like.

```
.text, #text, p{  
    color:rgb(66, 118, 194)  
}
```

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(66, 118, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 118, 194) }
```

Border

The CSS property to change the border of an element to Yxy 18.0102, 0.2051, 0.2001 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(66, 118, 194) }
```

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

```
.border{ border-color:rgb(66, 118, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 118, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 118, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 118, 194);  
box-shadow:4px 4px 4px 4px rgb(66, 118,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0102, 0.2051, 0.2001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 118, 194) }
```

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

```
.background{ background-color: rgb(66, 118,  
194) }
```

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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