

Converting Colors

$Y_{xy}(18.7062, 0.2133, 0.2051)$

Have a look what the booklet for
Yxy(18.7062, 0.2133, 0.2051)
contains.

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Color

Yxy(18.7062, 0.2133, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	4F77C1
RGB	79, 119, 193
RGB Percent	31%, 47%, 76%
CMY	0.6898, 0.5334, 0.2431
CMYK	0.59, 0.38, 0.00, 0.24
HSL	219°, 48%, 53%
HSV	219°, 59%, 76%
XYZ	19.4541, 18.7062, 53.0450
YIQ	115.4760, -47.5940, 14.5340

Conversions

Conversions Part 2

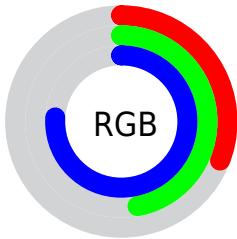
Format	Color
R _Y B	79, 109, 193
Decimal	5208001
CIE Lab	50.34, 8.71, -42.99
CIE LCh	50, 43.862, 281.452
Yxy	18.7062, 0.2133, 0.2051
Android (android.graphics.Color)	4283398081 (0xFF4F77C1)
YUV	115.4760, 38.2193, -31.9895
Hunter-Lab	43.2507, 4.6004, -42.4410

Details

The Yxy color **18.7062, 0.2133, 0.2051** 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 **34.7319, 0.4255, 0.4244**, and the grayscale version is **17.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2622, 0.2339, 0.2300**, and **6.3706, 0.1792, 0.1651** is the 20% darker color. If you saturate the color by 10%, you get **15.2038, 0.1976, 0.1801**, and if you desaturate by 10%, it is **22.8443, 0.2303, 0.2298**.

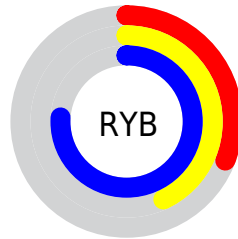
Distribution



Red (31%)

Green (47%)

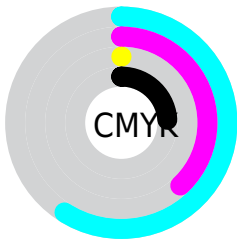
Blue (76%)



Red (31%)

Yellow (43%)

Blue (76%)

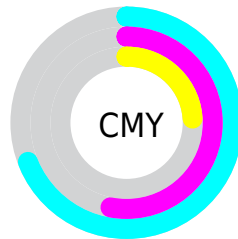


Cyan (59%)

Magenta (38%)

Yellow (0%)

Black (24%)



Cyan (69%)

Magenta (53%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7062, 0.2133, 0.2051 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 18.7062, 0.2133, 0.2051 by changing the saturation by 10% instead.

■ 18.7062, 0.2133,
0.2051

■ 18.7062, 0.2133,
0.2051

244.8220, 0.2681,
0.2714

■ 11.4582, 0.1984,
0.1878

■ 41.2371, 0.2342,
0.2299

■ 6.3759, 0.1788,
0.1655

■ 57.2887, 0.2418,
0.2390

■ 3.0750, 0.1524,
0.1363

■ 77.0436, 0.2481,
0.2467

■ 1.1710, 0.1161,
0.0979

■ 100.8863, 0.2533,
0.2531

■ 0.0378, 0.0479,
0.0073

129.2011, 0.2578,
0.2587

■ 0.0000, 0.0000,
0.0000

162.3723, 0.2617,

0.2635

200.7845, 0.2651,
0.2677

■ 18.7062, 0.2133,
0.2051

■ 18.7062, 0.2133,
0.2051

■ 15.2038, 0.1976,
0.1801

■ 22.8443, 0.2303,
0.2298

■ 12.2985, 0.1840,
0.1559

■ 27.6496, 0.2480,
0.2535

■ 9.9494, 0.1731,
0.1334

■ 33.1534, 0.2655,
0.2757

■ 8.0954, 0.1651,
0.1136

■ 39.3845, 0.2826,
0.2959

■ 7.9335, 0.1644,
0.1118

■ 46.3697, 0.2989,
0.3142

■ 54.1346, 0.3142,
0.3305

■ 62.7034, 0.3283,
0.3449

■ 72.0992, 0.3412,
0.3575

■ 82.3441, 0.3531,
0.3685

Harmonies

Analogous

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



18.7062, 0.1787, 0.2184



18.7062, 0.2133, 0.2051



18.7062, 0.2765, 0.2177

Triad

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



18.7062, 0.2133, 0.2051



18.7062, 0.4756, 0.3610



18.7062, 0.2546, 0.4291

Complementary

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



18.7062, 0.2133, 0.2051



34.7319, 0.4255, 0.4244

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.



18.7062, 0.3309, 0.4800



18.7062, 0.2133, 0.2051



18.7062, 0.4613, 0.4207

Square

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



18.7062, 0.2133, 0.2051



18.7062, 0.4377, 0.3025



18.7062, 0.4065, 0.4693



18.7062, 0.1983, 0.3401

Rectangle

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



18.7062, 0.2133, 0.2051



18.7062, 0.3312, 0.2385



18.7062, 0.4065, 0.4693



18.7062, 0.2787, 0.4527

Sweetspot

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



18.7068, 0.2133, 0.2051



71.3999, 0.2839, 0.2974



42.0550, 0.2633, 0.3968



14.5792, 0.2789, 0.2917



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.



18.7068, 0.2133, 0.2051



25.5046, 0.1931, 0.1725



11.8528, 0.2114, 0.1467



10.3119, 0.2984, 0.3136



5.4127, 0.1650, 0.1141



0.3641, 0.1780, 0.1607

Inverse Universe

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



18.2775, 0.4268, 0.2774



26.7390, 0.4687, 0.2720



48.1563, 0.3819, 0.4738



10.1348, 0.3235, 0.3210



7.8286, 0.5550, 0.2831



0.3514, 0.4923, 0.2485

Previews

White Background



This preview shows how the Yxy color 18.7062, 0.2133, 0.2051 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 18.7062, 0.2133, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

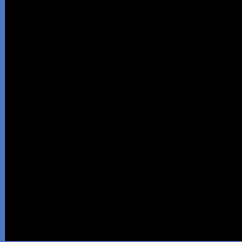
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7062, 0.2133, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 18.7062, 0.2133, 0.2051.

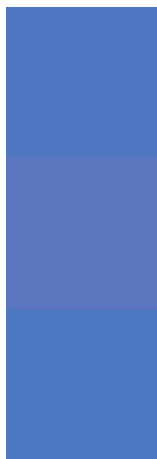


This preview shows how white text looks on a background with the Yxy color 18.7062, 0.2133, 0.2051.

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

18.7062, 0.2133, 0.2051

Protanopia

18.7083, 0.2216, 0.2064

Deuteranopia

18.7791, 0.2113, 0.2062



Tritanopia

18.6995, 0.2363, 0.3080

Trichromacy



Original Color

18.7062, 0.2133, 0.2051

Protanomaly

18.7889, 0.2186, 0.2061

Deuteranomaly

18.8197, 0.2119, 0.2063

Tritanomaly

18.5149, 0.2266, 0.2649

Monochromacy



Original Color

18.7062, 0.2133, 0.2051

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.2987, 0.2672, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7062, 0.2133, 0.2051 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(79, 119, 193)` looks like.

```
.text, #text, p{  
    color:rgb(79, 119, 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(79, 119, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 119, 193) }
```

Border

The CSS property to change the border of an element to Yxy 18.7062, 0.2133, 0.2051 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(79, 119, 193) }
```

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

```
.border{ border-color:rgb(79, 119, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 119, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 119, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 119, 193);  
box-shadow:4px 4px 4px 4px rgb(79, 119,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7062, 0.2133, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 119, 193) }
```

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

```
.background{ background-color: rgb(79, 119,  
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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