

Converting Colors

$Yxy(18.8793, 0.2089, 0.2382)$

Have a look what the booklet for
Yxy(18.8793, 0.2089, 0.2382)
contains.

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Color

Yxy(18.8942, 0.2087, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	2E7FB0
RGB	46, 127, 176
RGB Percent	18%, 50%, 69%
CMY	0.8201, 0.5019, 0.3098
CMYK	0.74, 0.28, 0.00, 0.31
HSL	203°, 59%, 44%
HSV	203°, 74%, 69%
XYZ	16.5473, 18.8942, 43.8460
YIQ	108.3670, -64.0050, -1.9330

Conversions

Conversions Part 2

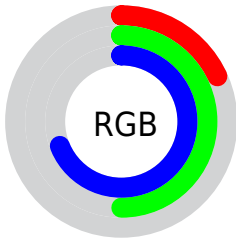
Format	Color
R_{YB}	46, 96, 176
Decimal	3047344
CIE _{Lab}	50.56, -7.72, -32.93
CIE _{LCh}	51, 33.820, 256.804
Yxy	18.8942, 0.2087, 0.2383
Android (android.graphics.Color)	4281237424 (0xFF2E7FB0)
YUV	108.3670, 33.3431, -54.6959
Hunter-Lab	43.4675, -8.1163, -29.3791

Details

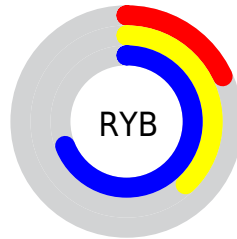
The Yxy color **18.8942, 0.2087, 0.2383** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.5821, 0.5012, 0.3922**, and the grayscale version is **15.0131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7199, 0.2305, 0.2586**, and **6.8788, 0.1914, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **16.9123, 0.1997, 0.2239**, and if you desaturate by 10%, it is **21.1573, 0.2196, 0.2527**.

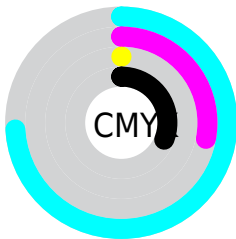
Distribution



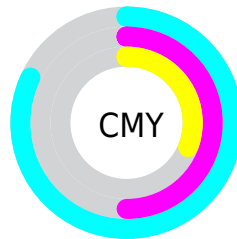
- Red (18%)
- Green (50%)
- Blue (69%)



- Red (18%)
- Yellow (38%)
- Blue (69%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8942, 0.2087, 0.2383 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 18.8942, 0.2087, 0.2383 by changing the saturation by 10% instead.

■ 18.8942, 0.2087,
0.2383

■ 18.8942, 0.2087,
0.2383

■ 245.8641, 0.2657,
0.2893

■ 11.5939, 0.1931,
0.2238

■ 41.5552, 0.2305,
0.2582

■ 6.4678, 0.1725,
0.2042

■ 57.6847, 0.2384,
0.2653

■ 3.1315, 0.1445,
0.1767

■ 77.5261, 0.2449,
0.2711

■ 1.2008, 0.1056,
0.1370

■ 101.4636, 0.2504,
0.2760

■ 0.0623, 0.0000,
0.0193

■ 129.8818, 0.2551,
0.2801

■ 0.0000, 0.0000,
0.0000

163.1650, 0.2591,

0.2836

201.6976, 0.2626,
0.2867

■ 18.8942, 0.2087,
0.2383

■ 18.8942, 0.2087,
0.2383

■ 16.9123, 0.1997,
0.2239

■ 21.1573, 0.2196,
0.2527

■ 15.1854, 0.1928,
0.2097

■ 23.7200, 0.2322,
0.2667

■ 14.2329, 0.1892,
0.2012

■ 26.6008, 0.2461,
0.2802

■ 29.8160, 0.2608,
0.2929

■ 33.3804, 0.2761,
0.3047

■ 37.3079, 0.2915,
0.3156

■ 41.6113, 0.3068,
0.3254

■ 46.3028, 0.3217,
0.3342

■ 51.3940, 0.3362,
0.3421

Harmonies

Analogous

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



18.8942, 0.2001, 0.2710



18.8942, 0.2087, 0.2383



18.8942, 0.2418, 0.2301

Triad

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



18.8942, 0.2087, 0.2383



18.8942, 0.4167, 0.3181



18.8942, 0.3184, 0.4386

Complementary

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



18.8942, 0.2087, 0.2383



17.5821, 0.5012, 0.3922

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.



18.8942, 0.3791, 0.4426



18.8942, 0.2087, 0.2383



18.8942, 0.4400, 0.3668

Square

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



18.8942, 0.2087, 0.2383



18.8942, 0.3617, 0.2747



18.8942, 0.4246, 0.4125



18.8942, 0.2593, 0.3933

Rectangle

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



18.8942, 0.2087, 0.2383



18.8942, 0.2763, 0.2368



18.8942, 0.4246, 0.4125



18.8942, 0.3393, 0.4447

Sweetspot

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



18.8948, 0.2087, 0.2383



61.6086, 0.2785, 0.3065



32.4269, 0.2790, 0.4851



12.9637, 0.2744, 0.3035



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.8948, 0.2087, 0.2383



28.5535, 0.1949, 0.2145



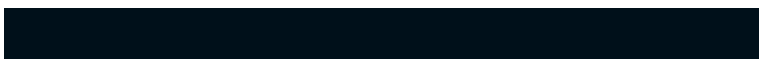
7.2911, 0.1793, 0.1216



9.0833, 0.2986, 0.3202



10.5589, 0.1896, 0.2027



0.4401, 0.2006, 0.2420

Inverse Universe

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



12.7057, 0.4001, 0.2239



19.7336, 0.4281, 0.2192



34.0997, 0.4247, 0.4712



8.5914, 0.3193, 0.3149



7.6061, 0.4422, 0.2210



0.2502, 0.4003, 0.1979

Previews

White Background



This preview shows how the Yxy color 18.8942, 0.2087, 0.2383 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 18.8942, 0.2087, 0.2383 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

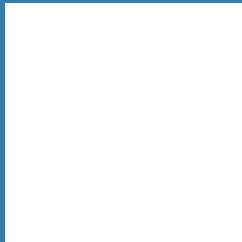
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8942, 0.2087, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 18.8942, 0.2087, 0.2383.

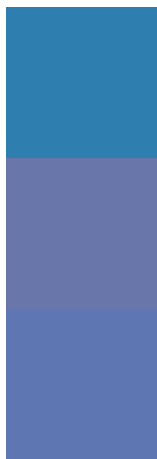


This preview shows how white text looks on a background with the Yxy color 18.8942, 0.2087, 0.2383.

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

18.8942, 0.2087, 0.2383

Protanopia

18.7645, 0.2473, 0.2398

Deuteranopia

18.7877, 0.2326, 0.2270



Tritanopia

18.7887, 0.2182, 0.3054

Trichromacy



Original Color

18.8942, 0.2087, 0.2383

Protanomaly

18.4923, 0.2289, 0.2371

Deuteranomaly

18.6299, 0.2214, 0.2307

Tritanomaly

18.7521, 0.2128, 0.2782

Monochromacy



Original Color

18.8942, 0.2087, 0.2383

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.8862, 0.2589, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8942, 0.2087, 0.2383 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(46, 127, 176)` looks like.

```
.text, #text, p{  
    color:rgb(46, 127, 176)  
}
```

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(46, 127, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 127, 176) }
```

Border

The CSS property to change the border of an element to Yxy 18.8942, 0.2087, 0.2383 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(46, 127, 176) }
```

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

```
.border{ border-color:rgb(46, 127, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 127, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 127, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 127, 176);  
box-shadow:4px 4px 4px 4px rgb(46, 127,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8942, 0.2087, 0.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 127, 176) }
```

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

```
.background{ background-color: rgb(46, 127,  
176) }
```

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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