

Converting Colors

$Yxy(17.9677, 0.1974, 0.2011)$

Have a look what the booklet for
Yxy(17.9677, 0.1974, 0.2011)
contains.

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Color

Yxy(17.9088, 0.1974, 0.2011)

Conversions

Conversions Part 1

Format	Color
Hex	2E78C2
RGB	46, 120, 194
RGB Percent	18%, 47%, 76%
CMY	0.8197, 0.5294, 0.2392
CMYK	0.76, 0.38, 0.00, 0.24
HSL	210°, 62%, 47%
HSV	210°, 76%, 76%
XYZ	17.5793, 17.9088, 53.5661
YIQ	106.3100, -67.8580, 7.3260

Conversions

Conversions Part 2

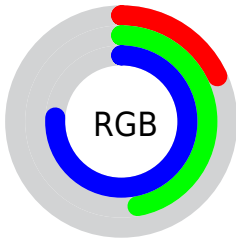
Format	Color
RYB	46, 95, 194
Decimal	3045570
CIELab	49.39, 3.04, -45.15
CIElCh	49, 45.254, 273.857
Yxy	17.9088, 0.1974, 0.2011
Android (android.graphics.Color)	4281235650 (0xFF2E78C2)
YUV	106.3100, 43.2312, -52.8919
Hunter-Lab	42.3188, 0.0913, -45.4247

Details

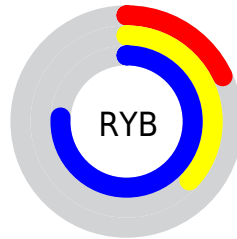
The Yxy color **17.9088, 0.1974, 0.2011** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **25.0919, 0.4875, 0.4153**, and the grayscale version is **14.3946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9148, 0.2211, 0.2272**, and **6.5282, 0.1795, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **15.3405, 0.1873, 0.1820**, and if you desaturate by 10%, it is **20.9179, 0.2097, 0.2206**.

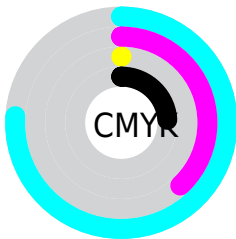
Distribution



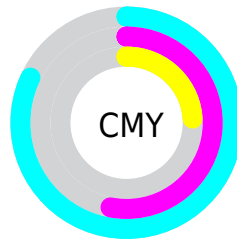
- Red (18%)
- Green (47%)
- Blue (76%)



- Red (18%)
- Yellow (37%)
- Blue (76%)



- Cyan (76%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)



- Cyan (82%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9088, 0.1974, 0.2011 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 17.9088, 0.1974, 0.2011 by changing the saturation by 10% instead.

■ 17.9088, 0.1974,
0.2011

■ 17.9088, 0.1974,
0.2011

■ 240.3565, 0.2603,
0.2702

■ 10.8845, 0.1806,
0.1829

■ 39.8819, 0.2212,
0.2271

■ 5.9892, 0.1589,
0.1596

■ 55.5994, 0.2299,
0.2366

■ 2.8385, 0.1302,
0.1291

■ 74.9836, 0.2372,
0.2446

■ 1.0480, 0.0925,
0.0896

■ 98.4187, 0.2433,
0.2513

■ 0.0000, 0.0019,
0.0000

■ 126.2891, 0.2485,
0.2571

■ 0.0000, 0.0000,
0.0000

158.9793, 0.2530,

0.2620

196.8736, 0.2569,
0.2664

■ 17.9088, 0.1974,
0.2011

■ 17.9088, 0.1974,
0.2011

■ 15.3405, 0.1873,
0.1820

■ 20.9179, 0.2097,
0.2206

■ 13.1729, 0.1796,
0.1638

■ 24.3972, 0.2237,
0.2399

■ 12.4479, 0.1770,
0.1572

■ 28.3745, 0.2390,
0.2586

■ 32.8746, 0.2550,
0.2762

■ 37.9202, 0.2713,
0.2926

■ 43.5325, 0.2874,
0.3076

■ 49.7315, 0.3031,
0.3212

■ 56.5359, 0.3182,
0.3333

■ 63.9637, 0.3325,
0.3441

Harmonies

Analogous

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



17.9088, 0.1693, 0.2220



17.9088, 0.1974, 0.2011



17.9088, 0.2555, 0.2079

Triad

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



17.9088, 0.1974, 0.2011



17.9088, 0.4782, 0.3456



17.9088, 0.2705, 0.4539

Complementary

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



17.9088, 0.1974, 0.2011



25.0919, 0.4875, 0.4153

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.



17.9088, 0.3517, 0.4902



17.9088, 0.1974, 0.2011



17.9088, 0.4759, 0.4079

Square

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



17.9088, 0.1974, 0.2011



17.9088, 0.4256, 0.2867



17.9088, 0.4270, 0.4641



17.9088, 0.2053, 0.3646

Rectangle

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



17.9088, 0.1974, 0.2011



17.9088, 0.3093, 0.2257



17.9088, 0.4270, 0.4641



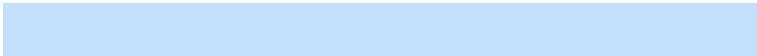
17.9088, 0.2969, 0.4738

Sweetspot

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



17.9094, 0.1974, 0.2011



71.5800, 0.2761, 0.2972



40.4586, 0.2699, 0.4615



14.8877, 0.2701, 0.2915



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.



17.9094, 0.1974, 0.2011



24.9145, 0.1815, 0.1688



6.6260, 0.1699, 0.0943



10.5616, 0.2984, 0.3172



8.3486, 0.1777, 0.1596



0.4986, 0.1890, 0.2002

Inverse Universe

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



14.7774, 0.4391, 0.2438



23.0743, 0.4811, 0.2465



49.1584, 0.4127, 0.4890



10.1600, 0.3212, 0.3175



8.1250, 0.4937, 0.2493



0.3650, 0.4451, 0.2225

Previews

White Background



This preview shows how the Yxy color 17.9088, 0.1974, 0.2011 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 17.9088, 0.1974, 0.2011 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 17.9088, 0.1974, 0.2011

Background



This preview shows how black text looks on a background with the Yxy color 17.9088, 0.1974, 0.2011.



This preview shows how white text looks on a background with the Yxy color 17.9088, 0.1974, 0.2011.

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

17.9088, 0.1974, 0.2011

Protanopia

17.7835, 0.2196, 0.2031

Deuteranopia

18.0208, 0.2042, 0.1988



Tritanopia

17.8587, 0.2186, 0.3070

Trichromacy



Original Color

17.9088, 0.1974, 0.2011

Protanomaly

17.6688, 0.2095, 0.2012

Deuteranomaly

18.0333, 0.2013, 0.1995

Tritanomaly

17.5789, 0.2079, 0.2603

Monochromacy



Original Color

17.9088, 0.1974, 0.2011

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0887, 0.2521, 0.2731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9088, 0.1974, 0.2011 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, 120, 194)` looks like.

```
.text, #text, p{  
  color:rgb(46, 120, 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(46, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 120, 194) }
```

Border

The CSS property to change the border of an element to Yxy 17.9088, 0.1974, 0.2011 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, 120, 194) }
```

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

```
.border{ border-color:rgb(46, 120, 194) }
```

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

Here you see how a box with a 4 pixel rgb(46, 120, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 120, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 120, 194);  
box-shadow:4px 4px 4px 4px rgb(46, 120,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9088, 0.1974, 0.2011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 120, 194) }
```

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

```
.background{ background-color: rgb(46, 120,  
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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