

Converting Colors

$Y_{xy}(17.1254, 0.2279, 0.2223)$

Have a look what the booklet for
Yxy(17.1254, 0.2279, 0.2223)
contains.

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Color

Yxy(17.1169, 0.2280, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	5772AE
RGB	87, 114, 174
RGB Percent	34%, 45%, 68%
CMY	0.6589, 0.5529, 0.3176
CMYK	0.50, 0.34, 0.00, 0.32
HSL	221°, 35%, 51%
HSV	221°, 50%, 68%
XYZ	17.5874, 17.1169, 42.4336
YIQ	112.7670, -35.3520, 12.9360

Conversions

Conversions Part 2

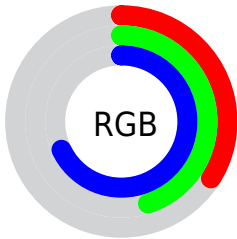
Format	Color
R_{YB}	87, 108, 174
Decimal	5730990
CIE _{Lab}	48.41, 7.30, -35.04
CIE _{LCh}	48, 35.794, 281.776
Yxy	17.1169, 0.2280, 0.2219
Android (android.graphics.Color)	4283921070 (0xFF5772AE)
YUV	112.7670, 30.1879, -22.5977
Hunter-Lab	41.3726, 3.4782, -31.8497

Details

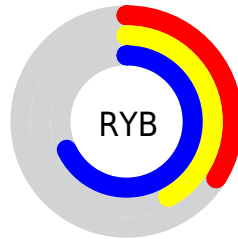
The Yxy color **17.1169, 0.2280, 0.2219** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.5541, 0.4028, 0.4156**, and the grayscale version is **16.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6483, 0.2465, 0.2449**, and **5.5529, 0.1956, 0.1830** is the 20% darker color. If you saturate the color by 10%, you get **13.8471, 0.2107, 0.1959**, and if you desaturate by 10%, it is **20.9450, 0.2459, 0.2470**.

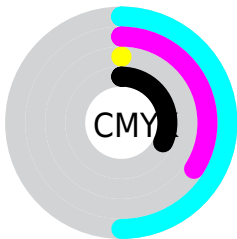
Distribution



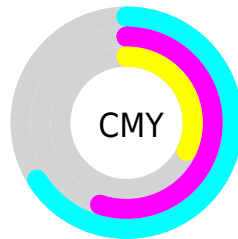
- Red (34%)
- Green (45%)
- Blue (68%)



- Red (34%)
- Yellow (42%)
- Blue (68%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (32%)



- Cyan (66%)
- Magenta (55%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1169, 0.2280, 0.2219 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 17.1169, 0.2280, 0.2219 by changing the saturation by 10% instead.

■ 17.1169, 0.2280,
0.2219

■ 17.1169, 0.2280,
0.2219

■ 235.8451, 0.2759,
0.2809

■ 10.3179, 0.2143,
0.2056

■ 38.5267, 0.2467,
0.2446

■ 5.6102, 0.1956,
0.1840

■ 53.9062, 0.2534,
0.2527

■ 2.6096, 0.1694,
0.1543

■ 72.9147, 0.2588,
0.2595

■ 0.9315, 0.1311,
0.1128

■ 95.9365, 0.2634,
0.2651

■ 0.0000, 0.0036,
0.0000

■ 123.3560, 0.2672,
0.2700

■ 0.0000, 0.0000,
0.0000

155.5577, 0.2705,

0.2741

192.9260, 0.2734,
0.2777

■ 17.1169, 0.2280,
0.2219

■ 17.1169, 0.2280,
0.2219

■ 13.8471, 0.2107,
0.1959

■ 20.9450, 0.2459,
0.2470

■ 11.1051, 0.1947,
0.1699

■ 25.3556, 0.2638,
0.2705

■ 8.8603, 0.1809,
0.1450

■ 30.3740, 0.2811,
0.2921

■ 7.0772, 0.1700,
0.1224

■ 36.0231, 0.2974,
0.3116

■ 5.6990, 0.1619,
0.1030

■ 42.3247, 0.3127,
0.3290

■ 49.2993, 0.3267,
0.3443

■ 56.9668, 0.3396,
0.3577

■ 65.3459, 0.3512,
0.3695

■ 74.4550, 0.3617,
0.3797

Harmonies

Analogous

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



17.1169, 0.1969, 0.2344



17.1169, 0.2280, 0.2219



17.1169, 0.2834, 0.2328

Triad

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



17.1169, 0.2280, 0.2219



17.1169, 0.4505, 0.3598



17.1169, 0.2639, 0.4109

Complementary

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



17.1169, 0.2280, 0.2219



30.5541, 0.4028, 0.4156

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.



17.1169, 0.3295, 0.4539



17.1169, 0.2280, 0.2219



17.1169, 0.4397, 0.4109

Square

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



17.1169, 0.2280, 0.2219



17.1169, 0.4183, 0.3081



17.1169, 0.3941, 0.4491



17.1169, 0.2148, 0.3387

Rectangle

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



17.1169, 0.2280, 0.2219



17.1169, 0.3299, 0.2513



17.1169, 0.3941, 0.4491



17.1169, 0.2847, 0.4301

Sweetspot

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



17.1175, 0.2280, 0.2219



59.8070, 0.2890, 0.3017



34.3961, 0.2657, 0.3762



12.8291, 0.2856, 0.2976



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.



17.1175, 0.2280, 0.2219



24.5492, 0.2089, 0.1932



12.7483, 0.2342, 0.1795



8.1479, 0.2986, 0.3129



4.2272, 0.1625, 0.1049



0.2164, 0.1801, 0.1683

Inverse Universe

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



17.0283, 0.4060, 0.2892



25.4626, 0.4396, 0.2825



38.2449, 0.3688, 0.4554



8.0548, 0.3239, 0.3220



6.7298, 0.5685, 0.2905



0.1972, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 17.1169, 0.2280, 0.2219 looks on a white background.

Color Contrast Check

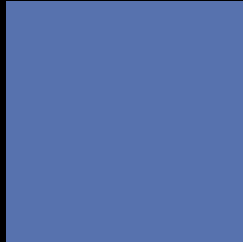
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1169, 0.2280, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

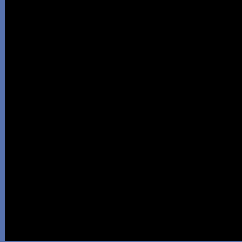
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

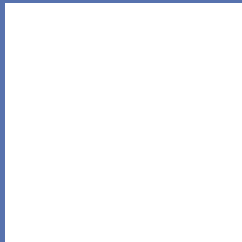
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.1169, 0.2280, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 17.1169, 0.2280, 0.2219.

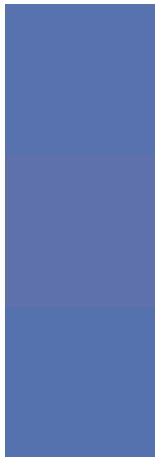


This preview shows how white text looks on a background with the Yxy color 17.1169, 0.2280, 0.2219.

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

17.1169, 0.2280, 0.2219

Protanopia

17.2071, 0.2341, 0.2230

Deuteranopia

17.0691, 0.2273, 0.2217



Tritanopia

17.0409, 0.2519, 0.3077

Trichromacy



Original Color

17.1169, 0.2280, 0.2219

Protanomaly

17.0515, 0.2316, 0.2223

Deuteranomaly

17.0691, 0.2273, 0.2217

Tritanomaly

16.9625, 0.2428, 0.2730

Monochromacy



Original Color

17.1169, 0.2280, 0.2219

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5026, 0.2768, 0.2857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1169, 0.2280, 0.2219 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(87, 114, 174)` looks like.

```
.text, #text, p{  
  color:rgb(87, 114, 174)  
}
```

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(87, 114, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 114, 174) }
```

Border

The CSS property to change the border of an element to Yxy 17.1169, 0.2280, 0.2219 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(87, 114, 174) }
```

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

```
.border{ border-color:rgb(87, 114, 174) }
```

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

Here you see how a box with a 4 pixel rgb(87, 114, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 114, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 114, 174);  
box-shadow:4px 4px 4px 4px rgb(87, 114,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1169, 0.2280, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 114, 174) }
```

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

```
.background{ background-color: rgb(87, 114,  
174) }
```

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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