

Converting Colors

$Y_{xy}(26.8009, 0.2078, 0.2070)$

Have a look what the booklet for
Yxy(26.8009, 0.2078, 0.2070)
contains.

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Color

Yxy(26.8852, 0.2080, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	518FE2
RGB	81, 143, 226
RGB Percent	32%, 56%, 89%
CMY	0.6820, 0.4393, 0.1137
CMYK	0.64, 0.37, 0.00, 0.11
HSL	214°, 71%, 60%
HSV	214°, 64%, 89%
XYZ	26.9500, 26.8852, 75.7320
YIQ	133.9240, -63.5950, 12.6690

Conversions

Conversions Part 2

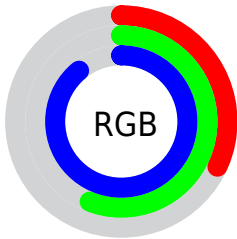
Format	Color
R _Y B	81, 124, 226
Decimal	5345250
CIE Lab	58.87, 5.77, -48.12
CIE LCh	59, 48.465, 276.843
Yxy	26.8852, 0.2080, 0.2075
Android (android.graphics.Color)	4283535330 (0xFF518FE2)
YUV	133.9240, 45.3935, -46.4143
Hunter-Lab	51.8509, 2.0378, -50.3017

Details

The Yxy color **26.8852, 0.2080, 0.2075** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **43.3593, 0.4470, 0.4199**, and the grayscale version is **23.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4506, 0.2405, 0.2577**, and **10.7310, 0.1819, 0.1747** is the 20% darker color. If you saturate the color by 10%, you get **22.3816, 0.1943, 0.1851**, and if you desaturate by 10%, it is **32.1716, 0.2235, 0.2298**.

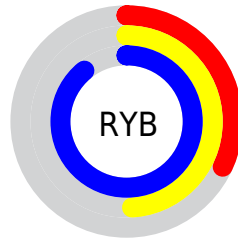
Distribution



Red (32%)

Green (56%)

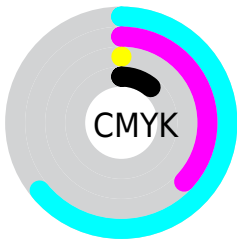
Blue (89%)



Red (32%)

Yellow (49%)

Blue (89%)

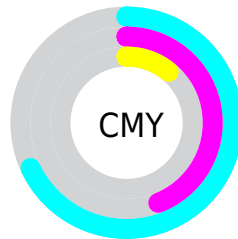


Cyan (64%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (68%)


Magenta (44%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8852, 0.2080, 0.2075 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 26.8852, 0.2080, 0.2075 by changing the saturation by 10% instead.


 26.8852, 0.2080,
0.2075


 26.8852, 0.2080,
0.2075


287.1009, 0.2622,
0.2692


 17.4870, 0.1945,
0.1924


 54.6996, 0.2278,
0.2298


 10.5823, 0.1774,
0.1736


 73.8846, 0.2352,
0.2382

 5.7867, 0.1553,
0.1496


 97.1007, 0.2415,
0.2454

 2.7158, 0.1264,
0.1188

 124.7322, 0.2468,
0.2515

 0.9852, 0.0889,
0.0799

157.1636, 0.2515,
0.2568

 0.0000, 0.0040,
0.0000

194.7792, 0.2555,

 0.0000, 0.0000,

0.2615

0.0000

237.9635, 0.2590,
0.2656

■ 26.8852, 0.2080,
0.2075

■ 26.8852, 0.2080,
0.2075

■ 22.3816, 0.1943,
0.1851

■ 32.1716, 0.2235,
0.2298

■ 18.6085, 0.1829,
0.1634

■ 38.2823, 0.2400,
0.2514

■ 15.5089, 0.1741,
0.1432

■ 45.2584, 0.2570,
0.2718

■ 13.9553, 0.1700,
0.1321

■ 53.1372, 0.2740,
0.2907

■ 61.9534, 0.2906,
0.3078

■ 71.7397, 0.3064,
0.3232

■ 82.5272, 0.3214,
0.3368

■ 93.0131, 0.3307,
0.3492

■ 98.2719, 0.3297,
0.3572

Harmonies

Analogous

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



26.8852, 0.1782, 0.2251



26.8852, 0.2080, 0.2075



26.8852, 0.2661, 0.2162

Triad

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



26.8852, 0.2080, 0.2075



26.8852, 0.4700, 0.3518



26.8852, 0.2666, 0.4381

Complementary

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



26.8852, 0.2080, 0.2075



43.3593, 0.4470, 0.4199

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.



26.8852, 0.3428, 0.4787



26.8852, 0.2080, 0.2075



26.8852, 0.4637, 0.4107

Square

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



26.8852, 0.2080, 0.2075



26.8852, 0.4253, 0.2949



26.8852, 0.4151, 0.4610



26.8852, 0.2071, 0.3537

Rectangle

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



26.8852, 0.2080, 0.2075



26.8852, 0.3181, 0.2346



26.8852, 0.4151, 0.4610



26.8852, 0.2912, 0.4584

Sweetspot

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



26.8861, 0.2080, 0.2075



75.4920, 0.2824, 0.2994



58.8071, 0.2656, 0.4195



15.4553, 0.2776, 0.2944



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.



26.8861, 0.2080, 0.2075



27.6380, 0.1901, 0.1776



13.6010, 0.1941, 0.1259



14.2010, 0.2981, 0.3152



8.1851, 0.1708, 0.1350



0.7423, 0.1792, 0.1652

Inverse Universe

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



24.0519, 0.4275, 0.2618



26.3205, 0.4659, 0.2571



69.6503, 0.3939, 0.4804



13.7972, 0.3225, 0.3190



9.7343, 0.5258, 0.2670



0.6924, 0.4866, 0.2454

Previews

White Background



This preview shows how the Yxy color 26.8852, 0.2080, 0.2075 looks on a white background.

Color Contrast Check

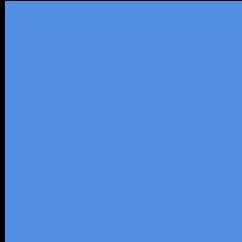
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8852, 0.2080, 0.2075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

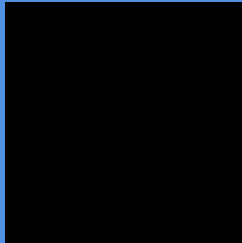
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

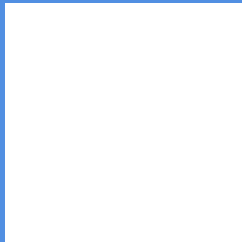
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8852, 0.2080, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 26.8852, 0.2080, 0.2075.



This preview shows how white text looks on a background with the Yxy color 26.8852, 0.2080, 0.2075.

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

26.8852, 0.2080, 0.2075

Protanopia

26.7659, 0.2238, 0.2087

Deuteranopia

26.7649, 0.2121, 0.2059



Tritanopia

26.9228, 0.2275, 0.3054

Trichromacy



Original Color

26.8852, 0.2080, 0.2075

Protanomaly

26.7365, 0.2174, 0.2087

Deuteranomaly

26.8632, 0.2104, 0.2068

Tritanomaly

26.7994, 0.2193, 0.2650

Monochromacy



Original Color

26.8852, 0.2080, 0.2075

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.3262, 0.2632, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8852, 0.2080, 0.2075 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(81, 143, 226)` looks like.

```
.text, #text, p{  
    color:rgb(81, 143, 226)  
}
```

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(81, 143, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 143, 226) }
```

Border

The CSS property to change the border of an element to Yxy 26.8852, 0.2080, 0.2075 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(81, 143, 226) }
```

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

```
.border{ border-color:rgb(81, 143, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 143, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 143, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 143, 226);  
box-shadow:4px 4px 4px 4px rgb(81, 143,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8852, 0.2080, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 143, 226) }
```

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

```
.background{ background-color: rgb(81, 143,  
226) }
```

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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