

Converting Colors

$Y_{xy}(26.6938, 0.2154, 0.1680)$

Have a look what the booklet for
Yxy(26.6938, 0.2154, 0.1680)
contains.

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Color

Yxy(26.5773, 0.2151, 0.1675)

Conversions

Conversions Part 1

Format	Color
Hex	7E7EFF
RGB	126, 126, 255
RGB Percent	49%, 49%, 100%
CMY	0.5055, 0.5060, 0.0000
CMYK	0.51, 0.51, 0.00, 0.00
HSL	240°, 100%, 75%
HSV	240°, 51%, 100%
XYZ	34.1300, 26.5773, 97.9631
YIQ	140.7060, -41.4090, 40.1190

Conversions

Conversions Part 2

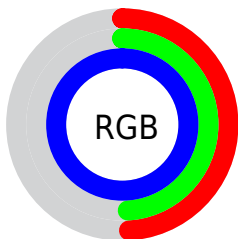
Format	Color
RYB	126, 126, 255
Decimal	8290047
CIELab	58.58, 33.92, -64.49
CIElCh	59, 72.865, 297.742
Yxy	26.5773, 0.2151, 0.1675
Android (android.graphics.Color)	4286480127 (0xFF7E7EFF)
YUV	140.7060, 56.3469, -12.8972
Hunter-Lab	51.5532, 27.9552, -76.5777

Details

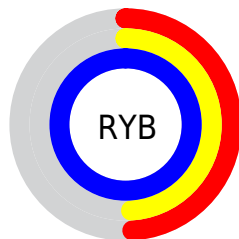
The Yxy color **26.5773, 0.2151, 0.1675** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **94.2578, 0.3869, 0.4518**, and the grayscale version is **26.3073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8993, 0.2646, 0.2426**, and **10.3957, 0.1866, 0.1312** is the 20% darker color. If you saturate the color by 10%, you get **19.1693, 0.1943, 0.1331**, and if you desaturate by 10%, it is **36.1376, 0.2369, 0.2035**.

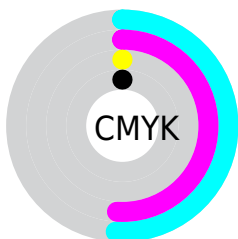
Distribution



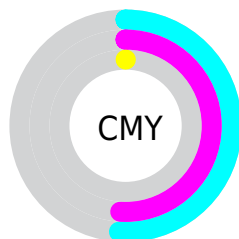
- Red (49%)
- Green (49%)
- Blue (100%)



- Red (49%)
- Yellow (49%)
- Blue (100%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5773, 0.2151, 0.1675 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 26.5773, 0.2151, 0.1675 by changing the saturation by 10% instead.


 26.5773, 0.2151,
0.1675


 26.5773, 0.2151,
0.1675


285.6046, 0.2663,
0.2435


 17.2560, 0.2024,
0.1508


 54.2048, 0.2338,
0.1935

 10.4172, 0.1865,
0.1310


 73.2798, 0.2408,
0.2038

 5.6764, 0.1661,
0.1073


 96.3749, 0.2468,
0.2127

 2.6493, 0.1398,
0.0795

123.8744, 0.2518,
0.2205

 0.9515, 0.1059,
0.0484

156.1627, 0.2562,
0.2273

 0.0000, 0.0648,
0.0000

193.6243, 0.2600,

 0.0000, 0.0000,

0.2333

0.0000

236.6434, 0.2633,
0.2387

■ 26.5773, 0.2151,
0.1675

■ 26.5773, 0.2151,
0.1675

■ 19.1693, 0.1943,
0.1331

■ 36.1376, 0.2369,
0.2035

■ 13.7498, 0.1762,
0.1032

■ 48.0030, 0.2582,
0.2388

■ 10.1260, 0.1623,
0.0803

■ 62.3084, 0.2781,
0.2717

■ 8.0687, 0.1537,
0.0661

■ 79.1796, 0.2960,
0.3014

■ 7.2219, 0.1500,
0.0600

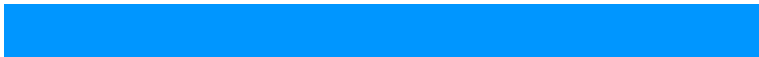
■ 98.7336, 0.3118,
0.3275

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



26.5773, 0.1515, 0.1637



26.5773, 0.2151, 0.1675



26.5773, 0.3208, 0.1994

Triad

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



26.5773, 0.2151, 0.1675



26.5773, 0.5371, 0.4012



26.5773, 0.1790, 0.4069

Complementary

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



26.5773, 0.2151, 0.1675



94.2578, 0.3869, 0.4518

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.



26.5773, 0.2682, 0.5343



26.5773, 0.2151, 0.1675



26.5773, 0.4727, 0.4843

Square

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



26.5773, 0.2151, 0.1675



26.5773, 0.5342, 0.3247



26.5773, 0.3748, 0.5509



26.5773, 0.1318, 0.2715

Rectangle

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



26.5773, 0.2151, 0.1675



26.5773, 0.4063, 0.2346



26.5773, 0.3748, 0.5509



26.5773, 0.2048, 0.4567

Sweetspot

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



26.5763, 0.2151, 0.1675



71.4370, 0.2884, 0.2887



83.1728, 0.2467, 0.3288



14.5347, 0.2846, 0.2824



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.



26.5763, 0.2151, 0.1675



18.9172, 0.1935, 0.1318



33.1416, 0.2625, 0.1856



17.3788, 0.2979, 0.3044



3.7740, 0.1500, 0.0600



0.3678, 0.1501, 0.0601

Inverse Universe

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



43.3830, 0.3186, 0.2071



37.4779, 0.3195, 0.1878



84.0347, 0.3427, 0.4730



18.3000, 0.3138, 0.3056



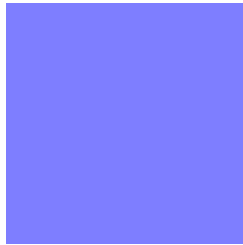
14.8719, 0.3212, 0.1543



1.4481, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 26.5773, 0.2151, 0.1675 looks on a white background.

Color Contrast Check

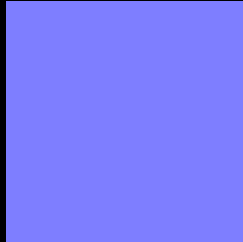
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5773, 0.2151, 0.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

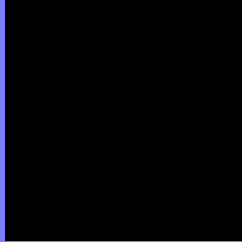
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5773, 0.2151, 0.1675

Background



This preview shows how black text looks on a background with the Yxy color 26.5773, 0.2151, 0.1675.



This preview shows how white text looks on a background with the Yxy color 26.5773, 0.2151, 0.1675.

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

26.5773, 0.2151, 0.1675

Protanopia

26.8607, 0.1955, 0.1728

Deuteranopia

26.9013, 0.1857, 0.1797



Tritanopia

26.6095, 0.2559, 0.3079

Trichromacy



Original Color

26.5773, 0.2151, 0.1675

Protanomaly

26.5364, 0.2011, 0.1701

Deuteranomaly

26.0778, 0.1912, 0.1733

Tritanomaly

26.1780, 0.2387, 0.2445

Monochromacy



Original Color

26.5773, 0.2151, 0.1675

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.2200, 0.2700, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5773, 0.2151, 0.1675 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(126, 126, 255)` looks like.

```
.text, #text, p{  
  color:rgb(126, 126, 255)  
}
```

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(126, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.5773, 0.2151, 0.1675 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(126, 126, 255) }
```

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

```
.border{ border-color:rgb(126, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5773, 0.2151, 0.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 126, 255) }
```

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

```
.background{ background-color: rgb(126,  
126, 255) }
```

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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