

Converting Colors

$Y_{xy}(28.5209, 0.2067, 0.1641)$

Have a look what the booklet for
Yxy(28.5209, 0.2067, 0.1641)
contains.

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Color

Yxy(27.5741, 0.2117, 0.1729)

Conversions

Conversions Part 1

Format	Color
Hex	7684FF
RGB	118, 132, 255
RGB Percent	46%, 52%, 100%
CMY	0.5376, 0.4822, 0.0000
CMYK	0.54, 0.48, 0.00, 0.00
HSL	234°, 100%, 73%
HSV	234°, 54%, 100%
XYZ	33.7619, 27.5741, 98.1440
YIQ	141.8360, -47.8270, 35.2850

Conversions

Conversions Part 2

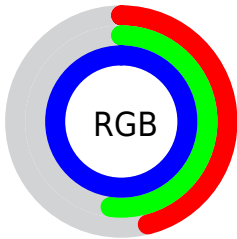
Format	Color
R _Y B	118, 131, 255
Decimal	7767295
CIE Lab	59.50, 28.67, -63.02
CIE LCh	60, 69.233, 294.459
Yxy	27.5741, 0.2117, 0.1729
Android (android.graphics.Color)	4285957375 (0xFF7684FF)
YUV	141.8360, 55.7899, -20.9042
Hunter-Lab	52.5110, 22.8721, -74.0563

Details

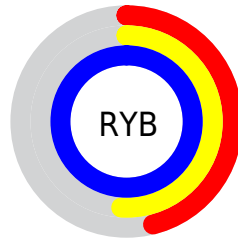
The Yxy color **27.5741, 0.2117, 0.1729** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.4023, 0.3977, 0.4473**, and the grayscale version is **26.7674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3829, 0.2599, 0.2484**, and **10.9478, 0.1830, 0.1374** is the 20% darker color. If you saturate the color by 10%, you get **20.4864, 0.1923, 0.1407**, and if you desaturate by 10%, it is **36.5058, 0.2323, 0.2061**.

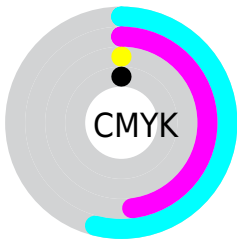
Distribution



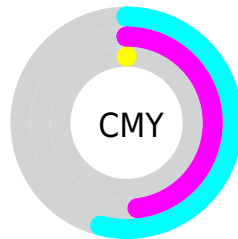
- Red (46%)
- Green (52%)
- Blue (100%)



- Red (46%)
- Yellow (51%)
- Blue (100%)



- Cyan (54%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5741, 0.2117, 0.1729 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 27.5741, 0.2117, 0.1729 by changing the saturation by 10% instead.


 27.5741, 0.2117,
0.1729


 27.5741, 0.2117,
0.1729


290.4262, 0.2641,
0.2469


 18.0049, 0.1989,
0.1565


 55.8038, 0.2307,
0.1983

 10.9535, 0.1828,
0.1369


 75.2329, 0.2379,
0.2083

 6.0356, 0.1623,
0.1134


 98.7176, 0.2440,
0.2170

 2.8667, 0.1361,
0.0855

126.6421, 0.2492,
0.2245

 1.0625, 0.1025,
0.0538

159.3908, 0.2537,
0.2311

 0.0000, 0.0617,
0.0000

197.3481, 0.2576,

 0.0000, 0.0000,

0.2370

0.0000

240.8984, 0.2610,
0.2422

■ 27.5741, 0.2117,
0.1729

■ 27.5741, 0.2117,
0.1729

■ 20.4864, 0.1923,
0.1407

■ 36.5058, 0.2323,
0.2061

■ 15.1103, 0.1755,
0.1119

■ 47.3959, 0.2529,
0.2385

■ 11.2998, 0.1626,
0.0884

■ 60.3526, 0.2725,
0.2687

■ 8.8828, 0.1545,
0.0721

■ 75.4756, 0.2907,
0.2962

■ 7.9698, 0.1516,
0.0656

■ 92.8577, 0.3070,
0.3206

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



27.5741, 0.1543, 0.1728



27.5741, 0.2117, 0.1729



27.5741, 0.3083, 0.2009

Triad

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



27.5741, 0.2117, 0.1729



27.5741, 0.5294, 0.3926



27.5741, 0.1944, 0.4175

Complementary

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



27.5741, 0.2117, 0.1729



85.4023, 0.3977, 0.4473

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.



27.5741, 0.2834, 0.5273



27.5741, 0.2117, 0.1729



27.5741, 0.4757, 0.4709

Square

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



27.5741, 0.2117, 0.1729



27.5741, 0.5160, 0.3192



27.5741, 0.3854, 0.5347



27.5741, 0.1433, 0.2876

Rectangle

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



27.5741, 0.2117, 0.1729



27.5741, 0.3879, 0.2333



27.5741, 0.3854, 0.5347



27.5741, 0.2207, 0.4621

Sweetspot

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



27.5750, 0.2117, 0.1729



71.8975, 0.2868, 0.2903



81.5928, 0.2505, 0.3476



14.7059, 0.2831, 0.2848



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.



27.5750, 0.2117, 0.1729



19.7300, 0.1900, 0.1369



28.7530, 0.2453, 0.1712



17.6786, 0.2979, 0.3070



4.2622, 0.1519, 0.0669



0.5098, 0.1556, 0.0802

Inverse Universe

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



35.8614, 0.4560, 0.3152



29.4937, 0.5056, 0.3142



85.4401, 0.3544, 0.4768



18.0175, 0.3278, 0.3266



11.1582, 0.6284, 0.3235



1.0960, 0.6067, 0.3116

Previews

White Background



This preview shows how the Yxy color 27.5741, 0.2117, 0.1729 looks on a white background.

Color Contrast Check

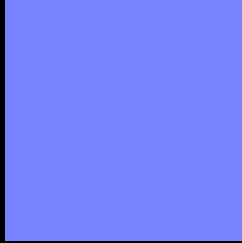
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5741, 0.2117, 0.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

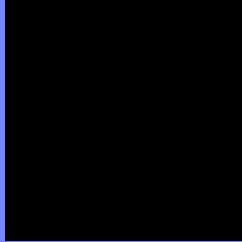
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5741, 0.2117, 0.1729

Background



This preview shows how black text looks on a background with the Yxy color 27.5741, 0.2117, 0.1729.



This preview shows how white text looks on a background with the Yxy color 27.5741, 0.2117, 0.1729.

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

27.5741, 0.2117, 0.1729

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.8599, 0.1888, 0.1825



Tritanopia

27.5253, 0.2474, 0.3079

Trichromacy



Original Color

27.5741, 0.2117, 0.1729

Protanomaly

27.4250, 0.2024, 0.1741

Deuteranomaly

27.2257, 0.1939, 0.1772

Tritanomaly

26.9247, 0.2314, 0.2457

Monochromacy



Original Color

27.5741, 0.2117, 0.1729

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.5824, 0.2667, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5741, 0.2117, 0.1729 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(118, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 132, 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(118, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.5741, 0.2117, 0.1729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

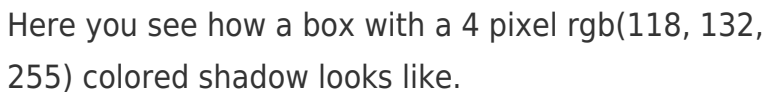
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 132, 255) }
```

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

```
.border{ border-color:rgb(118, 132, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5741, 0.2117, 0.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 132, 255) }
```

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

```
.background{ background-color: rgb(118,  
132, 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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