

Converting Colors

$Y_{xy}(29.2481, 0.2078, 0.1570)$

Have a look what the booklet for
Yxy(29.2481, 0.2078, 0.1570)
contains.

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Color

Yxy(27.7745, 0.2172, 0.1727)

Conversions

Conversions Part 1

Format	Color
Hex	8082FF
RGB	128, 130, 255
RGB Percent	50%, 51%, 100%
CMY	0.4981, 0.4902, 0.0000
CMYK	0.50, 0.49, 0.00, 0.00
HSL	239°, 100%, 75%
HSV	239°, 50%, 100%
XYZ	34.9312, 27.7745, 98.1194
YIQ	143.6520, -41.3170, 38.4510

Conversions

Conversions Part 2

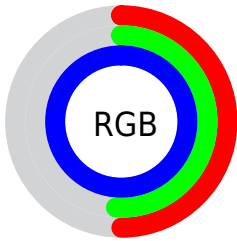
Format	Color
RYB	128, 130, 255
Decimal	8422143
CIELab	59.68, 31.92, -62.69
CIElCh	60, 70.349, 296.985
Yxy	27.7745, 0.2172, 0.1727
Android (android.graphics.Color)	4286612223 (0xFF8082FF)
YUV	143.6520, 54.8946, -13.7268
Hunter-Lab	52.7015, 26.0844, -73.4948

Details

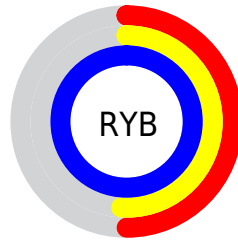
The Yxy color **27.7745, 0.2172, 0.1727** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **93.0459, 0.3868, 0.4485**, and the grayscale version is **27.5310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6518, 0.2657, 0.2474**, and **11.0743, 0.1897, 0.1376** is the 20% darker color. If you saturate the color by 10%, you get **20.1590, 0.1964, 0.1383**, and if you desaturate by 10%, it is **37.5158, 0.2388, 0.2083**.

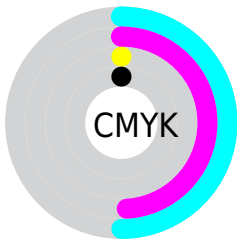
Distribution



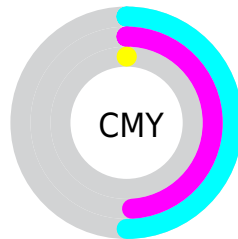
- Red (50%)
- Green (51%)
- Blue (100%)



- Red (50%)
- Yellow (51%)
- Blue (100%)



- Cyan (50%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7745, 0.2172, 0.1727 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 27.7745, 0.2172, 0.1727 by changing the saturation by 10% instead.


 27.7745, 0.2172,
0.1727


 27.7745, 0.2172,
0.1727


291.3878, 0.2670,
0.2464


 18.1557, 0.2049,
0.1564


 56.1242, 0.2354,
0.1980

 11.0619, 0.1894,
0.1370


 75.6240, 0.2422,
0.2080

 6.1085, 0.1695,
0.1137


 99.1862, 0.2480,
0.2166

 2.9111, 0.1439,
0.0860

127.1952, 0.2529,
0.2241

 1.0855, 0.1106,
0.0544

160.0355, 0.2572,
0.2307

 0.0000, 0.0705,
0.0000

198.0915, 0.2609,

 0.0000, 0.0000,

0.2366

0.0000

241.7474, 0.2642,
0.2418

■ 27.7745, 0.2172,
0.1727

■ 27.7745, 0.2172,
0.1727

■ 20.1590, 0.1964,
0.1383

■ 37.5158, 0.2388,
0.2083

■ 14.5083, 0.1780,
0.1078

■ 49.5226, 0.2599,
0.2429

■ 10.6430, 0.1637,
0.0838

■ 63.9257, 0.2796,
0.2750

■ 8.3493, 0.1545,
0.0682

■ 80.8451, 0.2973,
0.3040

■ 7.3213, 0.1503,
0.0608

■ 99.9994, 0.3127,
0.3290

■ 7.3076, 0.1502,
0.0607

Harmonies

Analogous

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



27.7745, 0.1561, 0.1700



27.7745, 0.2172, 0.1727



27.7745, 0.3179, 0.2031

Triad

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



27.7745, 0.2172, 0.1727



27.7745, 0.5294, 0.3991



27.7745, 0.1868, 0.4068

Complementary

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



27.7745, 0.2172, 0.1727



93.0459, 0.3868, 0.4485

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.



27.7745, 0.2741, 0.5246



27.7745, 0.2172, 0.1727



27.7745, 0.4704, 0.4784

Square

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



27.7745, 0.2172, 0.1727



27.7745, 0.5229, 0.3247



27.7745, 0.3771, 0.5404



27.7745, 0.1392, 0.2777

Rectangle

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



27.7745, 0.2172, 0.1727



27.7745, 0.3991, 0.2370



27.7745, 0.3771, 0.5404



27.7745, 0.2123, 0.4531

Sweetspot

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



27.7754, 0.2172, 0.1727



71.7448, 0.2884, 0.2894



83.1861, 0.2483, 0.3312



14.6075, 0.2846, 0.2832



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.



27.7754, 0.2172, 0.1727



20.0340, 0.1960, 0.1377



33.5204, 0.2618, 0.1873



17.4241, 0.2978, 0.3048



3.8388, 0.1503, 0.0610



0.3894, 0.1509, 0.0632

Inverse Universe

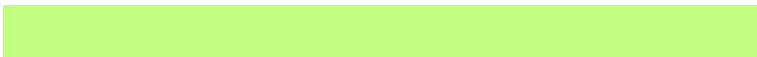
The Inverse Universe completely reimagines the original color for something new.



38.3048, 0.4528, 0.3274



31.7712, 0.4998, 0.3273



84.4895, 0.3438, 0.4700



17.9918, 0.3292, 0.3287



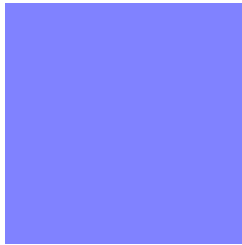
11.1155, 0.6385, 0.3291



1.0839, 0.6346, 0.3269

Previews

White Background



This preview shows how the Yxy color 27.7745, 0.2172, 0.1727 looks on a white background.

Color Contrast Check

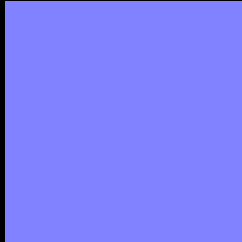
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7745, 0.2172, 0.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

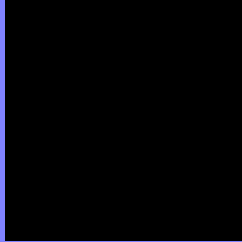
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7745, 0.2172, 0.1727

Background



This preview shows how black text looks on a background with the Yxy color 27.7745, 0.2172, 0.1727.



This preview shows how white text looks on a background with the Yxy color 27.7745, 0.2172, 0.1727.

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

27.7745, 0.2172, 0.1727

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.9196, 0.1902, 0.1837



Tritanopia

27.8461, 0.2567, 0.3084

Trichromacy



Original Color

27.7745, 0.2172, 0.1727

Protanomaly

27.7119, 0.2048, 0.1749

Deuteranomaly

27.4467, 0.1967, 0.1789

Tritanomaly

27.2927, 0.2397, 0.2471

Monochromacy



Original Color

27.7745, 0.2172, 0.1727

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3292, 0.2706, 0.2607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7745, 0.2172, 0.1727 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(128, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 130, 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(128, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7745, 0.2172, 0.1727 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(128, 130, 255) }
```

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

```
.border{ border-color:rgb(128, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7745, 0.2172, 0.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 130, 255) }
```

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

```
.background{ background-color: rgb(128,  
130, 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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