

Converting Colors

Yxy(28.4854, 0.2080, 0.1568)

Have a look what the booklet for
Yxy(28.4854, 0.2080, 0.1568)
contains.

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Color

$Y_{xy}(27.1704, 0.2161, 0.1701)$

Conversions

| Conversions Part 1 | |
|--------------------|-----------------------------|
| Format | Color |
| Hex | 7F80FF |
| RGB | 127, 128, 255 |
| RGB Percent | 50%, 50%, 100% |
| CMY | 0.5021, 0.4980, 0.0000 |
| CMYK | 0.50, 0.50, 0.00, 0.00 |
| HSL | 240°, 100%, 75% |
| HSV | 240°, 50%, 100% |
| XYZ | 34.5181, 27.1704, 98.0435 |
| YIQ | 142.1790, -41.3630, 39.2850 |

Conversions

Conversions Part 2

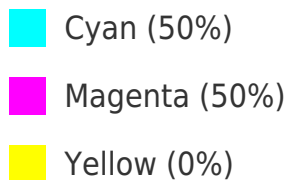
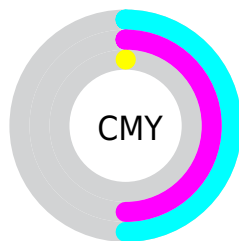
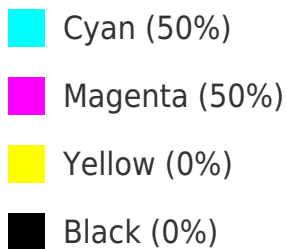
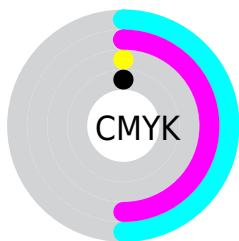
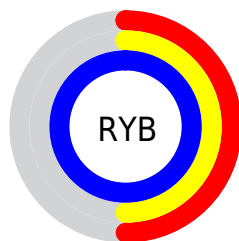
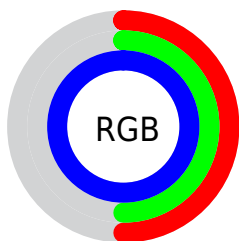
| Format | Color |
|-------------------------------------|---|
| RYB | 127, 128, 255 |
| Decimal | 8356095 |
| CIELab | 59.13, 32.89, -63.59 |
| CIELCh | 59, 71.593, 297.345 |
| Yxy | 27.1704, 0.2161, 0.1701 |
| Android (android.graphics.Color) | 4286546175 (0xFF7F80FF) |
| YUV | 142.1790, 55.6208, -13.3120 |
| Hunter-Lab | 52.1252, 26.9861, -75.0322 |

Details

The Yxy color **27.1704, 0.2161, 0.1701** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **93.6415, 0.3869, 0.4501**, and the grayscale version is **26.9106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7069, 0.2648, 0.2449**, and **10.7132, 0.1878, 0.1342** is the 20% darker color. If you saturate the color by 10%, you get **19.6585, 0.1953, 0.1357**, and if you desaturate by 10%, it is **36.8214, 0.2378, 0.2059**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1704, 0.2161, 0.1701 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 27.1704, 0.2161, 0.1701 by changing the saturation by 10% instead.

 27.1704, 0.2161,
0.1701


 27.1704, 0.2161,
0.1701


288.4812, 0.2666,
0.2450


 17.7012, 0.2036,
0.1536


 55.1572, 0.2345,
0.1958

 10.7357, 0.1879,
0.1340


 74.4436, 0.2415,
0.2059

 5.8894, 0.1677,
0.1105


 97.7712, 0.2473,
0.2147

 2.7779, 0.1417,
0.0827

125.5244, 0.2523,
0.2223

 1.0169, 0.1082,
0.0514

158.0877, 0.2567,
0.2290

 0.0000, 0.0676,
0.0000

195.8453, 0.2604,

 0.0000, 0.0000,

0.2350

0.0000


239.1817, 0.2637,
0.2402

 27.1704, 0.2161,
0.1701


 27.1704, 0.2161,
0.1701


 19.6585, 0.1953,
0.1357


 36.8214, 0.2378,
0.2059


 14.1232, 0.1771,
0.1055


 48.7574, 0.2590,
0.2408


 10.3784, 0.1630,
0.0820

 63.1114, 0.2788,
0.2734

 8.2032, 0.1541,
0.0671

 80.0061, 0.2967,
0.3027

 7.2655, 0.1501,
0.0603

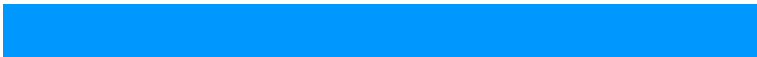
 99.5561, 0.3124,
0.3285

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.



27.1704, 0.1538, 0.1669



27.1704, 0.2161, 0.1701



27.1704, 0.3192, 0.2013

Triad

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



27.1704, 0.2161, 0.1701



27.1704, 0.5333, 0.4001



27.1704, 0.1830, 0.4070

Complementary

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



27.1704, 0.2161, 0.1701



93.6415, 0.3869, 0.4501

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.



27.1704, 0.2713, 0.5295



27.1704, 0.2161, 0.1701



27.1704, 0.4716, 0.4813

Square

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



27.1704, 0.2161, 0.1701



27.1704, 0.5285, 0.3247



27.1704, 0.3761, 0.5456



27.1704, 0.1355, 0.2747

Rectangle

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



27.1704, 0.2161, 0.1701



27.1704, 0.4026, 0.2357



27.1704, 0.3761, 0.5456



27.1704, 0.2086, 0.4550

Sweetspot

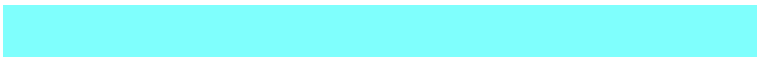
The Sweet Spot groups the original color and five complimentary colors.



27.1704, 0.2161, 0.1701



71.5924, 0.2884, 0.2891



83.1122, 0.2480, 0.3312



14.5715, 0.2846, 0.2828



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.



27.1704, 0.2161, 0.1701



19.7967, 0.1957, 0.1364



33.1874, 0.2612, 0.1861



17.4017, 0.2978, 0.3046



3.8067, 0.1502, 0.0605



0.3787, 0.1505, 0.0617

Inverse Universe

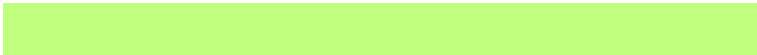
The Inverse Universe completely reimagines the original color for something new.



37.9871, 0.4557, 0.3284



31.7472, 0.5012, 0.3284



84.4037, 0.3440, 0.4712



17.9895, 0.3293, 0.3289



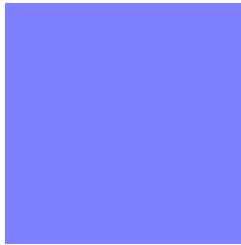
11.1123, 0.6392, 0.3295



1.0828, 0.6372, 0.3284

Previews

White Background



This preview shows how the Yxy color 27.1704, 0.2161, 0.1701 looks on a white background.

Color Contrast Check

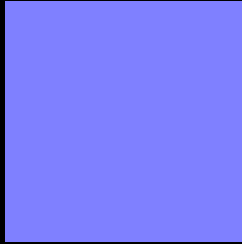
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1704, 0.2161, 0.1701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

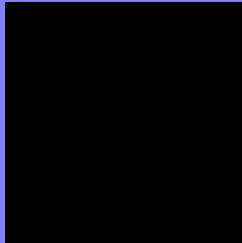
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1704, 0.2161, 0.1701

Background



This preview shows how black text looks on a background with the Yxy color 27.1704, 0.2161, 0.1701.



This preview shows how white text looks on a background with the Yxy color 27.1704, 0.2161, 0.1701.

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

27.1704, 0.2161, 0.1701

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.4251, 0.1881, 0.1818



Tritanopia

27.0180, 0.2562, 0.3081

Trichromacy



Original Color
27.1704, 0.2161, 0.1701

Protanomaly
26.9795, 0.2028, 0.1719

Deuteranomaly
26.6611, 0.1942, 0.1756

Tritanomaly
26.5827, 0.2391, 0.2450

Monochromacy



Original Color
27.1704, 0.2161, 0.1701

Achromatopsia
27.0498, 0.3127, 0.3290

Achromatomaly
26.6286, 0.2702, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1704, 0.2161, 0.1701 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(127, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 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(127, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1704, 0.2161, 0.1701 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(127, 128, 255) }
```

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

```
.border{ border-color:rgb(127, 128, 255) }
```

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

Here you see how a box with a 4 pixel rgb(127, 128, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1704, 0.2161, 0.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 255) }
```

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

```
.background{ background-color: rgb(127,  
128, 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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