

Converting Colors

$Y_{xy}(27.2080, 0.2167, 0.1702)$

Have a look what the booklet for
Yxy(27.2080, 0.2167, 0.1702)
contains.

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Color

Yxy(27.2475, 0.2168, 0.1703)

Conversions

Conversions Part 1

Format	Color
Hex	8080FF
RGB	128, 128, 255
RGB Percent	50%, 50%, 100%
CMY	0.4976, 0.4982, 0.0000
CMYK	0.50, 0.50, 0.00, 0.00
HSL	240°, 100%, 75%
HSV	240°, 50%, 100%
XYZ	34.6874, 27.2475, 98.0622
YIQ	142.4780, -40.7670, 39.4970

Conversions

Conversions Part 2

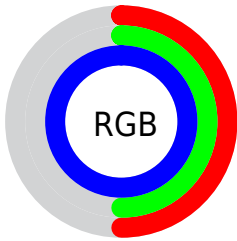
Format	Color
RYB	128, 128, 255
Decimal	8421631
CIELab	59.20, 33.16, -63.48
CIELCh	59, 71.622, 297.582
Yxy	27.2475, 0.2168, 0.1703
Android (android.graphics.Color)	4286611711 (0xFF8080FF)
YUV	142.4780, 55.4733, -12.6972
Hunter-Lab	52.1991, 27.2683, -74.8438

Details

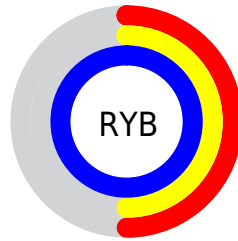
The Yxy color $27.2475, 0.2168, 0.1703$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $94.3077, 0.3859, 0.4502$, and the grayscale version is $27.0425, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.8325, 0.2655, 0.2451$, and $10.7814, 0.1890, 0.1348$ is the 20% darker color. If you saturate the color by 10%, you get $19.6765, 0.1959, 0.1357$, and if you desaturate by 10%, it is $36.9832, 0.2386, 0.2063$.

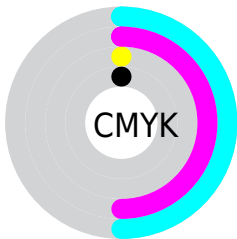
Distribution



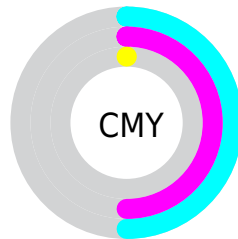
- Red (50%)
- Green (50%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2475, 0.2168, 0.1703 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 27.2475, 0.2168, 0.1703 by changing the saturation by 10% instead.

■ 27.2475, 0.2168,
0.1703

■ 27.2475, 0.2168,
0.1703

■ 288.8535, 0.2670,
0.2451

■ 17.7592, 0.2044,
0.1539

■ 55.2808, 0.2351,
0.1959

■ 10.7772, 0.1887,
0.1342

■ 74.5945, 0.2420,
0.2060

■ 5.9172, 0.1687,
0.1108

■ 97.9522, 0.2478,
0.2148

■ 2.7948, 0.1428,
0.0830

■ 125.7382, 0.2528,
0.2224

■ 1.0256, 0.1093,
0.0517

■ 158.3370, 0.2571,
0.2291

■ 0.0000, 0.0688,
0.0000

■ 196.1328, 0.2608,

■ 0.0000, 0.0000,

0.2350

0.0000

239.5102, 0.2641,
0.2403

■ 27.2475, 0.2168,
0.1703

■ 27.2475, 0.2168,
0.1703

■ 19.6765, 0.1959,
0.1357

■ 36.9832, 0.2386,
0.2063

■ 14.1076, 0.1775,
0.1053

■ 49.0349, 0.2598,
0.2414

■ 10.3506, 0.1633,
0.0818

■ 63.5367, 0.2796,
0.2741

■ 8.1799, 0.1542,
0.0669

■ 80.6136, 0.2973,
0.3035

■ 7.2350, 0.1501,
0.0601

100.0000, 0.3127,
0.3290

■ 7.2220, 0.1500,
0.0600

Harmonies

Analogous

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



27.2475, 0.1542, 0.1668



27.2475, 0.2168, 0.1703



27.2475, 0.3202, 0.2017

Triad

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



27.2475, 0.2168, 0.1703



27.2475, 0.5329, 0.4007



27.2475, 0.1825, 0.4058

Complementary

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



27.2475, 0.2168, 0.1703



94.3077, 0.3859, 0.4502

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.



27.2475, 0.2705, 0.5287



27.2475, 0.2168, 0.1703



27.2475, 0.4709, 0.4819

Square

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



27.2475, 0.2168, 0.1703



27.2475, 0.5287, 0.3253



27.2475, 0.3752, 0.5457



27.2475, 0.1354, 0.2739

Rectangle

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



27.2475, 0.2168, 0.1703



27.2475, 0.4035, 0.2362



27.2475, 0.3752, 0.5457



27.2475, 0.2080, 0.4538

Sweetspot

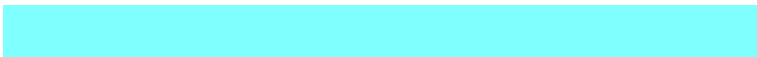
The Sweet Spot groups the original color and five complimentary colors.



27.2466, 0.2168, 0.1703



71.4376, 0.2884, 0.2887



83.3262, 0.2474, 0.3288



14.5349, 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.



27.2466, 0.2168, 0.1703



19.5586, 0.1955, 0.1351



33.7870, 0.2635, 0.1879



17.3789, 0.2979, 0.3044



3.7741, 0.1501, 0.0600



0.3678, 0.1501, 0.0601

Inverse Universe

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



43.8981, 0.3185, 0.2087



37.9706, 0.3194, 0.1895



84.2163, 0.3424, 0.4707



18.3000, 0.3138, 0.3056



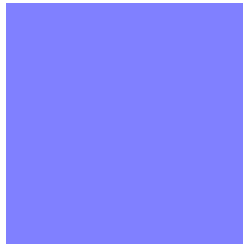
14.8710, 0.3212, 0.1543



1.4481, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 27.2475, 0.2168, 0.1703 looks on a white background.

Color Contrast Check

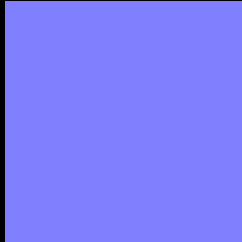
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2475, 0.2168, 0.1703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

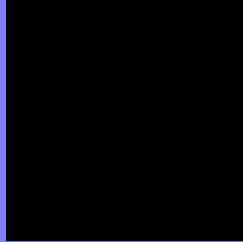
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2475, 0.2168, 0.1703

Background



This preview shows how black text looks on a background with the Yxy color 27.2475, 0.2168, 0.1703.



This preview shows how white text looks on a background with the Yxy color 27.2475, 0.2168, 0.1703.

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

27.2475, 0.2168, 0.1703

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.4470, 0.1883, 0.1818



Tritanopia

27.1307, 0.2577, 0.3082

Trichromacy



Original Color

27.2475, 0.2168, 0.1703

Protanomaly

27.0369, 0.2033, 0.1721

Deuteranomaly

26.7011, 0.1945, 0.1757

Tritanomaly

26.6465, 0.2398, 0.2451

Monochromacy



Original Color

27.2475, 0.2168, 0.1703

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 27.2475, 0.2168, 0.1703 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, 128, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 27.2475, 0.2168, 0.1703 is called "border". The border property can be set on classes, ids or directly on the HTML element.

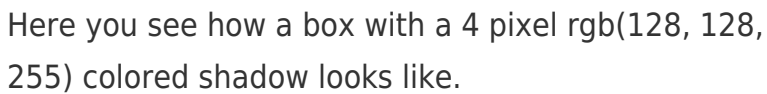
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 128, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 128, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 27.2475, 0.2168, 0.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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