

Converting Colors

$Y_{xy}(25.4071, 0.2120, 0.1625)$

Have a look what the booklet for
Yxy(25.4071, 0.2120, 0.1625)
contains.

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Color

Yxy(25.2766, 0.2117, 0.1620)

Conversions

Conversions Part 1

Format	Color
Hex	7A7AFF
RGB	122, 122, 255
RGB Percent	48%, 48%, 100%
CMY	0.5216, 0.5215, 0.0001
CMYK	0.52, 0.52, 0.00, 0.00
HSL	240°, 100%, 74%
HSV	240°, 52%, 100%
XYZ	33.0312, 25.2766, 97.7206
YIQ	137.1620, -42.6930, 41.3630

Conversions

Conversions Part 2

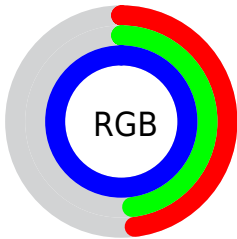
Format	Color
RYB	122, 122, 255
Decimal	8026879
CIELab	57.34, 35.39, -66.46
CIELCh	57, 75.300, 298.038
Yxy	25.2766, 0.2117, 0.1620
Android (android.graphics.Color)	4286216959 (0xFF7A7AFF)
YUV	137.1620, 58.0941, -13.2971
Hunter-Lab	50.2758, 29.2917, -80.0482

Details

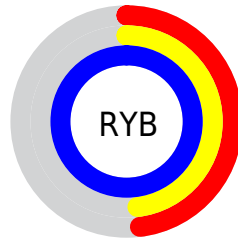
The Yxy color **25.2766, 0.2117, 0.1620** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94.1555, 0.3889, 0.4549**, and the grayscale version is **24.8703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4372, 0.2612, 0.2361**, and **9.6662, 0.1819, 0.1243** is the 20% darker color. If you saturate the color by 10%, you get **18.1924, 0.1912, 0.1281**, and if you desaturate by 10%, it is **34.4924, 0.2334, 0.1979**.

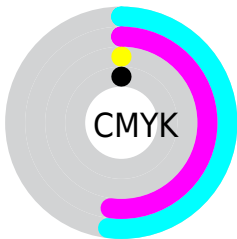
Distribution



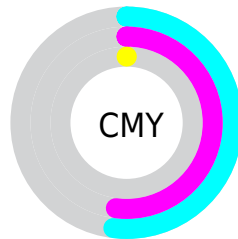
- Red (48%)
- Green (48%)
- Blue (100%)



- Red (48%)
- Yellow (48%)
- Blue (100%)



- Cyan (52%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2766, 0.2117, 0.1620 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 25.2766, 0.2117, 0.1620 by changing the saturation by 10% instead.


 25.2766, 0.2117,
0.1620


 25.2766, 0.2117,
0.1620


279.2126, 0.2649,
0.2406


 16.2833, 0.1985,
0.1449


 52.1056, 0.2311,
0.1888

 9.7248, 0.1820,
0.1246


 70.7100, 0.2384,
0.1995

 5.2169, 0.1609,
0.1006


 93.2869, 0.2446,
0.2086

 2.3751, 0.1338,
0.0727

120.2207, 0.2499,
0.2167

 0.8130, 0.0993,
0.0422

151.8958, 0.2544,
0.2237

 0.0000, 0.0566,
0.0000

188.6966, 0.2584,

 0.0000, 0.0000,

0.2300

0.0000

231.0074, 0.2618,
0.2356

■ 25.2766, 0.2117,
0.1620

■ 25.2766, 0.2117,
0.1620

■ 18.1924, 0.1912,
0.1281

■ 34.4924, 0.2334,
0.1979

■ 13.0669, 0.1737,
0.0991

■ 45.9894, 0.2549,
0.2334

■ 9.7047, 0.1606,
0.0775

■ 59.9065, 0.2751,
0.2668

■ 7.8683, 0.1529,
0.0647

■ 76.3707, 0.2933,
0.2970

■ 7.2185, 0.1500,
0.0600

■ 95.5004, 0.3095,
0.3237

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



25.2766, 0.1461, 0.1576



25.2766, 0.2117, 0.1620



25.2766, 0.3219, 0.1950

Triad

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



25.2766, 0.2117, 0.1620



25.2766, 0.5453, 0.4017



25.2766, 0.1720, 0.4092

Complementary

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



25.2766, 0.2117, 0.1620



94.1555, 0.3889, 0.4549

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.



25.2766, 0.2635, 0.5457



25.2766, 0.2117, 0.1620



25.2766, 0.4760, 0.4887

Square

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



25.2766, 0.2117, 0.1620



25.2766, 0.5450, 0.3235



25.2766, 0.3736, 0.5612



25.2766, 0.1248, 0.2666

Rectangle

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



25.2766, 0.2117, 0.1620



25.2766, 0.4119, 0.2312



25.2766, 0.3736, 0.5612



25.2766, 0.1983, 0.4625

Sweetspot

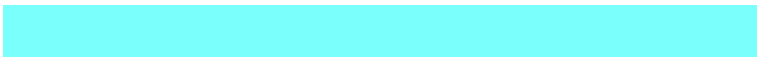
The Sweet Spot groups the original color and five complimentary colors.



25.2774, 0.2117, 0.1620



69.7421, 0.2866, 0.2858



82.7154, 0.2462, 0.3313



14.2008, 0.2828, 0.2795



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.



25.2774, 0.2117, 0.1620



17.6879, 0.1896, 0.1254



31.6105, 0.2586, 0.1804



17.3780, 0.2978, 0.3044



3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Inverse Universe

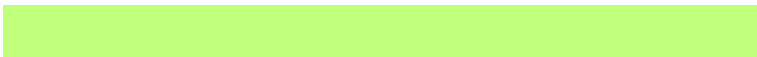
The Inverse Universe completely reimagines the original color for something new.



36.5793, 0.4656, 0.3294



30.1424, 0.5173, 0.3296



83.9444, 0.3447, 0.4769



17.9871, 0.3295, 0.3290



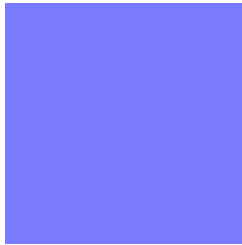
11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 25.2766, 0.2117, 0.1620 looks on a white background.

Color Contrast Check

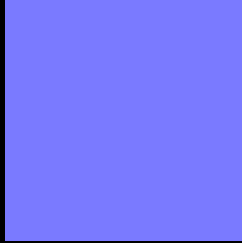
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2766, 0.2117, 0.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

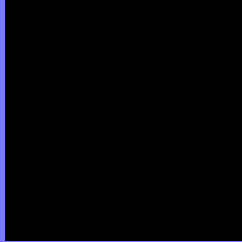
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2766, 0.2117, 0.1620

Background



This preview shows how black text looks on a background with the Yxy color 25.2766, 0.2117, 0.1620.



This preview shows how white text looks on a background with the Yxy color 25.2766, 0.2117, 0.1620.

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

25.2766, 0.2117, 0.1620

Protanopia

25.4115, 0.1913, 0.1666

Deuteranopia

25.4716, 0.1828, 0.1779



Tritanopia

25.2001, 0.2521, 0.3074

Trichromacy



Original Color

25.2766, 0.2117, 0.1620

Protanomaly

25.1447, 0.1972, 0.1641

Deuteranomaly

24.2127, 0.1845, 0.1674

Tritanomaly

24.5664, 0.2345, 0.2396

Monochromacy



Original Color

25.2766, 0.2117, 0.1620

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7033, 0.2673, 0.2539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2766, 0.2117, 0.1620 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(122, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 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(122, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.2766, 0.2117, 0.1620 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(122, 122, 255) }
```

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

```
.border{ border-color:rgb(122, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2766, 0.2117, 0.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 255) }
```

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

```
.background{ background-color: rgb(122,  
122, 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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