

Converting Colors

$Y_{xy}(29.7285, 0.2316, 0.1910)$

Have a look what the booklet for
Yxy(29.7285, 0.2316, 0.1910)
contains.

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Color

Yxy(29.7763, 0.2313, 0.1907)

Conversions

Conversions Part 1

Format	Color
Hex	8C88F5
RGB	140, 136, 245
RGB Percent	55%, 53%, 96%
CMY	0.4506, 0.4668, 0.0391
CMYK	0.43, 0.45, 0.00, 0.04
HSL	242°, 85%, 75%
HSV	242°, 45%, 96%
XYZ	36.1157, 29.7763, 90.2501
YIQ	149.6220, -32.6050, 34.7470

Conversions

Conversions Part 2

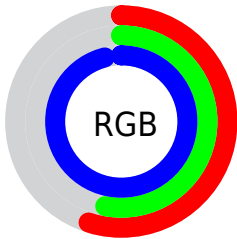
Format	Color
R_{YB}	140, 136, 245
Decimal	9210101
CIE _{Lab}	61.46, 28.27, -54.32
CIE _{LCh}	61, 61.233, 297.493
Yxy	29.7763, 0.2313, 0.1907
Android (android.graphics.Color)	4287400181 (0xFF8C88F5)
YUV	149.6220, 47.0214, -8.4385
Hunter-Lab	54.5677, 22.6470, -59.8631

Details

The Yxy color **29.7763, 0.2313, 0.1907** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.7792, 0.3759, 0.4397**, and the grayscale version is **30.1444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6210, 0.2739, 0.2559**, and **12.1254, 0.2070, 0.1571** is the 20% darker color. If you saturate the color by 10%, you get **21.8138, 0.2101, 0.1554**, and if you desaturate by 10%, it is **39.7568, 0.2523, 0.2260**.

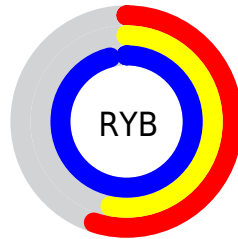
Distribution



Red (55%)

Green (53%)

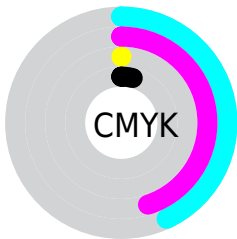
Blue (96%)



Red (55%)

Yellow (53%)

Blue (96%)

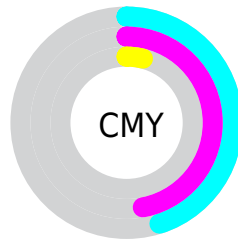


Cyan (43%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (45%)


Magenta (47%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7763, 0.2313, 0.1907 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 29.7763, 0.2313, 0.1907 by changing the saturation by 10% instead.


 29.7763, 0.2313,
0.1907


 29.7763, 0.2313,
0.1907


300.8603, 0.2740,
0.2569

 19.6689, 0.2205,
0.1757


 59.3082, 0.2470,
0.2137

 12.1546, 0.2068,
0.1573


 79.5015, 0.2529,
0.2227

 6.8490, 0.1890,
0.1348


 103.8255, 0.2578,
0.2304

 3.3679, 0.1652,
0.1071

132.6646, 0.2620,
0.2371

 1.3267, 0.1330,
0.0736

166.4033, 0.2656,
0.2430

 0.1617, 0.0918,
0.0176

205.4259, 0.2688,

 0.0000, 0.0000,

0.2482

0.0000

250.1168, 0.2715,
0.2528

■ 29.7763, 0.2313,
0.1907

■ 29.7763, 0.2313,
0.1907

■ 21.8138, 0.2101,
0.1554

■ 39.7568, 0.2523,
0.2260

■ 15.7290, 0.1902,
0.1226

■ 51.8767, 0.2722,
0.2596

■ 11.3686, 0.1732,
0.0951

■ 66.2512, 0.2902,
0.2904

■ 8.5539, 0.1606,
0.0751

■ 82.9867, 0.3062,
0.3178

■ 7.0669, 0.1530,
0.0637

■ 99.3741, 0.3185,
0.3386

■ 6.6540, 0.1508,
0.0605

Harmonies

Analogous

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



29.7763, 0.1750, 0.1886



29.7763, 0.2313, 0.1907



29.7763, 0.3201, 0.2187

Triad

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



29.7763, 0.2313, 0.1907



29.7763, 0.5018, 0.3982



29.7763, 0.2037, 0.3933

Complementary

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



29.7763, 0.2313, 0.1907



85.7792, 0.3759, 0.4397

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.



29.7763, 0.2814, 0.4902



29.7763, 0.2313, 0.1907



29.7763, 0.4535, 0.4658

Square

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



29.7763, 0.2313, 0.1907



29.7763, 0.4935, 0.3303



29.7763, 0.3726, 0.5112



29.7763, 0.1597, 0.2861

Rectangle

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



29.7763, 0.2313, 0.1907



29.7763, 0.3890, 0.2497



29.7763, 0.3726, 0.5112



29.7763, 0.2265, 0.4307

Sweetspot

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



29.7773, 0.2313, 0.1907



75.0877, 0.2927, 0.2946



74.9677, 0.2520, 0.3246



15.2618, 0.2890, 0.2882



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.



29.7773, 0.2313, 0.1907



24.9746, 0.2130, 0.1602



35.6801, 0.2733, 0.2050



15.9566, 0.2985, 0.3046



3.5971, 0.1512, 0.0606



0.3265, 0.1541, 0.0622

Inverse Universe

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



43.3608, 0.3214, 0.2236



41.5515, 0.3232, 0.2061



77.6444, 0.3377, 0.4556



16.7568, 0.3144, 0.3066



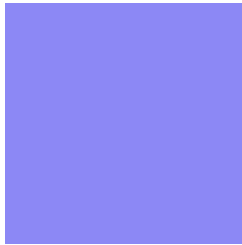
13.7165, 0.3306, 0.1595



1.2089, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 29.7763, 0.2313, 0.1907 looks on a white background.

Color Contrast Check

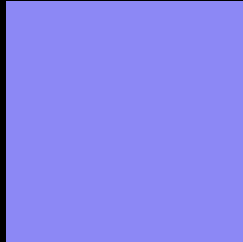
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7763, 0.2313, 0.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

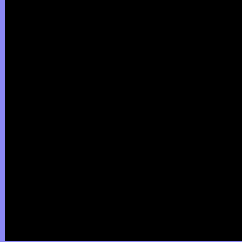
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7763, 0.2313, 0.1907

Background



This preview shows how black text looks on a background with the Yxy color 29.7763, 0.2313, 0.1907.



This preview shows how white text looks on a background with the Yxy color 29.7763, 0.2313, 0.1907.

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

29.7763, 0.2313, 0.1907

Protanopia

30.1093, 0.2072, 0.1878

Deuteranopia

30.0794, 0.2076, 0.2015



Tritanopia

29.8574, 0.2713, 0.3094

Trichromacy



Original Color

29.7763, 0.2313, 0.1907

Protanomaly

29.8930, 0.2148, 0.1888

Deuteranomaly

29.6057, 0.2145, 0.1964

Tritanomaly

29.3196, 0.2544, 0.2569

Monochromacy



Original Color

29.7763, 0.2313, 0.1907

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.8646, 0.2778, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7763, 0.2313, 0.1907 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(140, 136, 245)` looks like.

```
.text, #text, p{  
    color:rgb(140, 136, 245)  
}
```

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(140, 136, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 136, 245) }
```

Border

The CSS property to change the border of an element to Yxy 29.7763, 0.2313, 0.1907 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(140, 136, 245) }
```

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

```
.border{ border-color:rgb(140, 136, 245) }
```

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

Here you see how a box with a 4 pixel rgb(140, 136, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 136, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 136, 245);  
box-shadow:4px 4px 4px 4px rgb(140, 136,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7763, 0.2313, 0.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 136, 245) }
```

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

```
.background{ background-color: rgb(140,  
136, 245) }
```

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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