

Converting Colors

$Y_{xy}(29.8314, 0.2234, 0.1806)$

Have a look what the booklet for
Yxy(29.8314, 0.2234, 0.1806)
contains.

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Color

Yxy(29.7822, 0.2234, 0.1804)

Conversions

Conversions Part 1

Format	Color
Hex	8887FF
RGB	136, 135, 255
RGB Percent	53%, 53%, 100%
CMY	0.4663, 0.4707, 0.0000
CMYK	0.47, 0.47, 0.00, 0.00
HSL	241°, 100%, 76%
HSV	241°, 47%, 100%
XYZ	36.8811, 29.7822, 98.4265
YIQ	148.9790, -37.9240, 37.5320

Conversions

Conversions Part 2

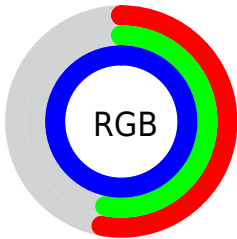
Format	Color
R _Y B	136, 135, 255
Decimal	8947711
CIE Lab	61.47, 30.79, -59.82
CIE LCh	61, 67.277, 297.233
Yxy	29.7822, 0.2234, 0.1804
Android (android.graphics.Color)	4287137791 (0xFF8887FF)
YUV	148.9790, 52.2684, -11.3826
Hunter-Lab	54.5731, 25.1293, -68.7327

Details

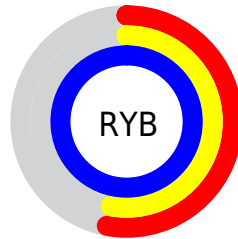
The Yxy color **29.7822, 0.2234, 0.1804** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.3143, 0.3817, 0.4446**, and the grayscale version is **29.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7885, 0.2717, 0.2543**, and **12.0647, 0.1973, 0.1459** is the 20% darker color. If you saturate the color by 10%, you get **21.6269, 0.2021, 0.1452**, and if you desaturate by 10%, it is **40.1392, 0.2450, 0.2163**.

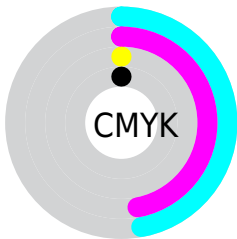
Distribution



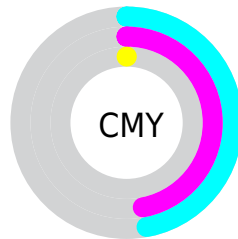
- Red (53%)
- Green (53%)
- Blue (100%)



- Red (53%)
- Yellow (53%)
- Blue (100%)



- Cyan (47%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7822, 0.2234, 0.1804 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 29.7822, 0.2234, 0.1804 by changing the saturation by 10% instead.


 29.7822, 0.2234,
0.1804


 29.7822, 0.2234,
0.1804


300.8879, 0.2698,
0.2505


 19.6733, 0.2119,
0.1649


 59.3176, 0.2403,
0.2045

 12.1578, 0.1974,
0.1462


 79.5129, 0.2467,
0.2140

 6.8512, 0.1788,
0.1235


 103.8391, 0.2521,
0.2222

 3.3692, 0.1545,
0.0963

132.6806, 0.2567,
0.2293

 1.3274, 0.1225,
0.0644

166.4219, 0.2606,
0.2356

 0.1623, 0.0827,
0.0148

205.4473, 0.2641,

 0.0000, 0.0000,

0.2411

0.0000

250.1411, 0.2671,
0.2460

■ 29.7822, 0.2234,
0.1804

■ 29.7822, 0.2234,
0.1804

■ 21.6269, 0.2021,
0.1452

■ 40.1392, 0.2450,
0.2163

■ 15.5145, 0.1829,
0.1134

■ 52.8418, 0.2658,
0.2508

■ 11.2644, 0.1672,
0.0877

■ 68.0212, 0.2849,
0.2826

■ 8.6644, 0.1565,
0.0703

■ 85.7990, 0.3019,
0.3110

■ 7.4454, 0.1511,
0.0616

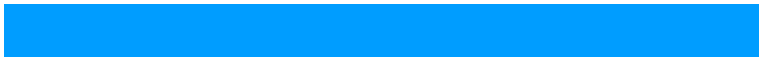
100.0000, 0.3127,
0.3290

■ 7.2355, 0.1502,
0.0601

Harmonies

Analogous

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



29.7822, 0.1642, 0.1779



29.7822, 0.2234, 0.1804



29.7822, 0.3191, 0.2099

Triad

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



29.7822, 0.2234, 0.1804



29.7822, 0.5176, 0.3992



29.7822, 0.1941, 0.4007

Complementary

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



29.7822, 0.2234, 0.1804



94.3143, 0.3817, 0.4446

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.



29.7822, 0.2773, 0.5093



29.7822, 0.2234, 0.1804



29.7822, 0.4633, 0.4735

Square

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



29.7822, 0.2234, 0.1804



29.7822, 0.5102, 0.3274



29.7822, 0.3754, 0.5279



29.7822, 0.1479, 0.2813

Rectangle

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



29.7822, 0.2234, 0.1804



29.7822, 0.3949, 0.2426



29.7822, 0.3754, 0.5279



29.7822, 0.2184, 0.4430

Sweetspot

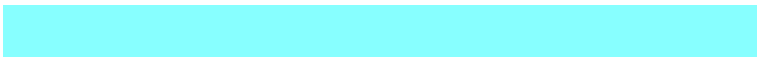
The Sweet Spot groups the original color and five complimentary colors.



29.7821, 0.2234, 0.1804



73.1987, 0.2903, 0.2917



83.8883, 0.2501, 0.3288



14.8834, 0.2865, 0.2853



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.



29.7821, 0.2234, 0.1804



22.3996, 0.2044, 0.1489



36.1394, 0.2670, 0.1960



17.3860, 0.2980, 0.3044



3.7842, 0.1503, 0.0602



0.3712, 0.1510, 0.0605

Inverse Universe

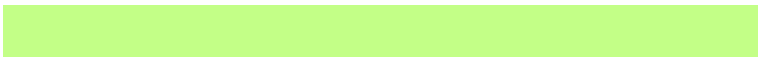
The Inverse Universe completely reimagines the original color for something new.



45.7266, 0.3191, 0.2153



40.0261, 0.3201, 0.1975



84.8685, 0.3413, 0.4625



18.2973, 0.3140, 0.3058



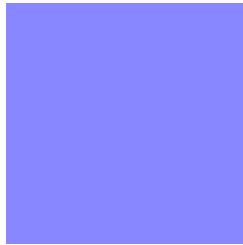
14.8023, 0.3233, 0.1555



1.4422, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 29.7822, 0.2234, 0.1804 looks on a white background.

Color Contrast Check

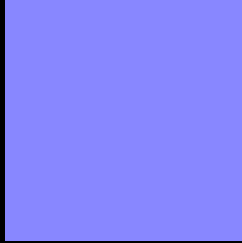
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7822, 0.2234, 0.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

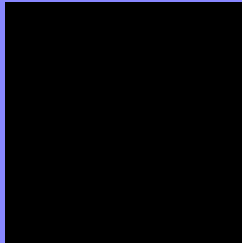
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7822, 0.2234, 0.1804

Background



This preview shows how black text looks on a background with the Yxy color 29.7822, 0.2234, 0.1804.



This preview shows how white text looks on a background with the Yxy color 29.7822, 0.2234, 0.1804.

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

29.7822, 0.2234, 0.1804

Protanopia

29.8192, 0.2052, 0.1845

Deuteranopia

29.9396, 0.1976, 0.1904



Tritanopia

29.7146, 0.2636, 0.3075

Trichromacy



Original Color

29.7822, 0.2234, 0.1804

Protanomaly

29.7145, 0.2108, 0.1828

Deuteranomaly

29.5252, 0.2046, 0.1857

Tritanomaly

29.4149, 0.2468, 0.2512

Monochromacy



Original Color

29.7822, 0.2234, 0.1804

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.5066, 0.2735, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7822, 0.2234, 0.1804 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(136, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 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(136, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.7822, 0.2234, 0.1804 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(136, 135, 255) }
```

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

```
.border{ border-color:rgb(136, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7822, 0.2234, 0.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 135, 255) }
```

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

```
.background{ background-color: rgb(136,  
135, 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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