

Converting Colors

$Y_{xy}(29.1457, 0.2230, 0.1777)$

Have a look what the booklet for
Yxy(29.1457, 0.2230, 0.1777)
contains.

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Color

Yxy(29.2293, 0.2229, 0.1781)

Conversions

Conversions Part 1

Format	Color
Hex	8885FF
RGB	136, 133, 255
RGB Percent	53%, 52%, 100%
CMY	0.4669, 0.4783, 0.0001
CMYK	0.47, 0.48, 0.00, 0.00
HSL	241°, 100%, 76%
HSV	241°, 48%, 100%
XYZ	36.5818, 29.2293, 98.3063
YIQ	147.8050, -37.3740, 38.5780

Conversions

Conversions Part 2

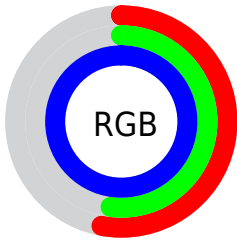
Format	Color
RYB	136, 133, 255
Decimal	8947199
CIELab	60.98, 31.88, -60.57
CIElCh	61, 68.448, 297.756
Yxy	29.2293, 0.2229, 0.1781
Android (android.graphics.Color)	4287137279 (0xFF8885FF)
YUV	147.8050, 52.8471, -10.3530
Hunter-Lab	54.0641, 26.1674, -69.9637

Details

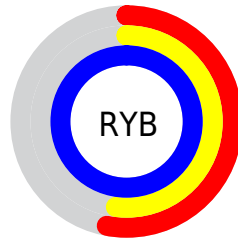
The Yxy color **29.2293, 0.2229, 0.1781** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9092, 0.3814, 0.4468**, and the grayscale version is **29.3149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9399, 0.2715, 0.2520**, and **11.7542, 0.1966, 0.1431** is the 20% darker color. If you saturate the color by 10%, you get **21.2276, 0.2018, 0.1432**, and if you desaturate by 10%, it is **39.4109, 0.2444, 0.2139**.

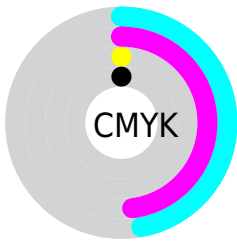
Distribution



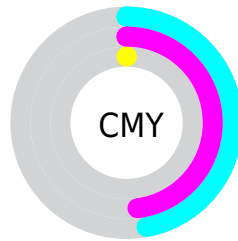
- Red (53%)
- Green (52%)
- Blue (100%)



- Red (53%)
- Yellow (52%)
- Blue (100%)



- Cyan (47%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2293, 0.2229, 0.1781 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 29.2293, 0.2229, 0.1781 by changing the saturation by 10% instead.

 29.2293, 0.2229,
0.1781


 29.2293, 0.2229,
0.1781

298.2953, 0.2697,
0.2492


 19.2544, 0.2113,
0.1624


 58.4412, 0.2400,
0.2025

 11.8542, 0.1966,
0.1435


 78.4469, 0.2464,
0.2121

 6.6445, 0.1778,
0.1207


 102.5651, 0.2518,
0.2204

 3.2408, 0.1533,
0.0933

131.1800, 0.2565,
0.2277

 1.2587, 0.1210,
0.0615

164.6761, 0.2605,
0.2340

 0.1089, 0.0812,
0.0100

203.4377, 0.2639,

 0.0000, 0.0000,

0.2397

0.0000

247.8493, 0.2670,
0.2447

■ 29.2293, 0.2229,
0.1781

■ 29.2293, 0.2229,
0.1781

■ 21.2276, 0.2018,
0.1432

■ 39.4109, 0.2444,
0.2139

■ 15.2443, 0.1827,
0.1118

■ 51.9124, 0.2650,
0.2484

■ 11.1000, 0.1672,
0.0866

■ 66.8656, 0.2839,
0.2803

■ 8.5828, 0.1566,
0.0697

■ 84.3915, 0.3009,
0.3090

■ 7.4137, 0.1512,
0.0614

99.9989, 0.3127,
0.3290

■ 7.2584, 0.1505,
0.0603

Harmonies

Analogous

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



29.2293, 0.1623, 0.1749



29.2293, 0.2229, 0.1781



29.2293, 0.3210, 0.2085

Triad

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



29.2293, 0.2229, 0.1781



29.2293, 0.5210, 0.4008



29.2293, 0.1902, 0.4000

Complementary

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



29.2293, 0.2229, 0.1781



93.9092, 0.3814, 0.4468

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.



29.2293, 0.2743, 0.5130



29.2293, 0.2229, 0.1781



29.2293, 0.4642, 0.4767

Square

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



29.2293, 0.2229, 0.1781



29.2293, 0.5154, 0.3279



29.2293, 0.3740, 0.5328



29.2293, 0.1444, 0.2781

Rectangle

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



29.2293, 0.2229, 0.1781



29.2293, 0.3987, 0.2418



29.2293, 0.3740, 0.5328



29.2293, 0.2147, 0.4439

Sweetspot

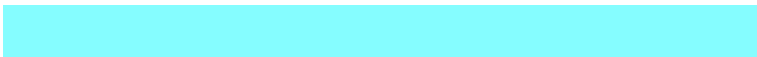
The Sweet Spot groups the original color and five complimentary colors.



29.2303, 0.2229, 0.1781



73.2798, 0.2907, 0.2917



82.4264, 0.2489, 0.3265



14.9028, 0.2869, 0.2854



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.



29.2303, 0.2229, 0.1781



21.8163, 0.2035, 0.1460



35.7409, 0.2677, 0.1944



17.3985, 0.2982, 0.3044



3.8022, 0.1507, 0.0604



0.3772, 0.1524, 0.0613

Inverse Universe

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



45.0700, 0.3207, 0.2151



39.3339, 0.3222, 0.1972



84.4057, 0.3403, 0.4654



18.2924, 0.3142, 0.3061



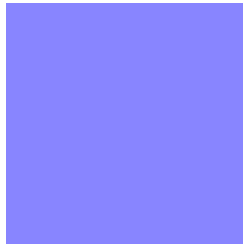
14.6822, 0.3270, 0.1575



1.4319, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 29.2293, 0.2229, 0.1781 looks on a white background.

Color Contrast Check

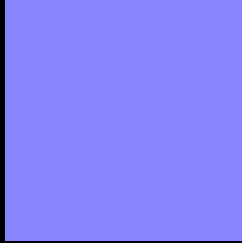
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2293, 0.2229, 0.1781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

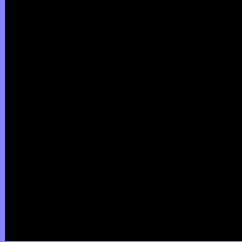
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2293, 0.2229, 0.1781

Background



This preview shows how black text looks on a background with the Yxy color 29.2293, 0.2229, 0.1781.



This preview shows how white text looks on a background with the Yxy color 29.2293, 0.2229, 0.1781.

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

29.2293, 0.2229, 0.1781

Protanopia

29.3517, 0.2036, 0.1828

Deuteranopia

29.3738, 0.1959, 0.1894



Tritanopia

29.2439, 0.2641, 0.3090

Trichromacy



Original Color

29.2293, 0.2229, 0.1781

Protanomaly

29.0647, 0.2097, 0.1801

Deuteranomaly

29.0004, 0.2033, 0.1848

Tritanomaly

28.6281, 0.2469, 0.2504

Monochromacy



Original Color

29.2293, 0.2229, 0.1781

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1621, 0.2741, 0.2639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2293, 0.2229, 0.1781 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, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 133, 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, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.2293, 0.2229, 0.1781 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, 133, 255) }
```

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

```
.border{ border-color:rgb(136, 133, 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, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2293, 0.2229, 0.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 133, 255) }
```

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

```
.background{ background-color: rgb(136,  
133, 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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