

Converting Colors

$Y_{xy}(28.9986, 0.2219, 0.1773)$

Have a look what the booklet for
Yxy(28.9986, 0.2219, 0.1773)
contains.

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Color

Yxy(29.1460, 0.2223, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	8785FF
RGB	135, 133, 255
RGB Percent	53%, 52%, 100%
CMY	0.4703, 0.4785, 0.0000
CMYK	0.47, 0.48, 0.00, 0.00
HSL	241°, 100%, 76%
HSV	241°, 48%, 100%
XYZ	36.4407, 29.1460, 98.3391
YIQ	147.5060, -37.9700, 38.3660

Conversions

Conversions Part 2

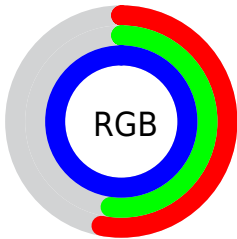
Format	Color
RYB	135, 133, 255
Decimal	8881663
CIELab	60.91, 31.72, -60.72
CIELCh	61, 68.508, 297.585
Yxy	29.1460, 0.2223, 0.1778
Android (android.graphics.Color)	4287071743 (0xFF8785FF)
YUV	147.5060, 52.9945, -10.9678
Hunter-Lab	53.9870, 26.0084, -70.2077

Details

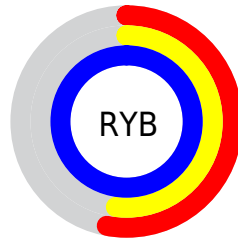
The Yxy color **29.1460, 0.2223, 0.1778** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.0781, 0.3820, 0.4466**, and the grayscale version is **29.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8071, 0.2709, 0.2519**, and **11.7136, 0.1960, 0.1428** is the 20% darker color. If you saturate the color by 10%, you get **21.1502, 0.2012, 0.1428**, and if you desaturate by 10%, it is **39.3234, 0.2439, 0.2137**.

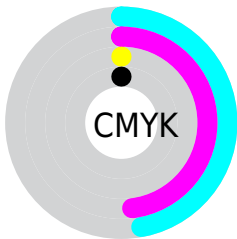
Distribution



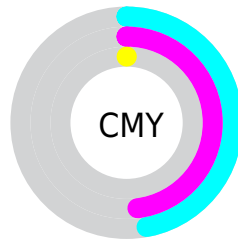
- Red (53%)
- Green (52%)
- Blue (100%)



- 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 29.1460, 0.2223, 0.1778 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 29.1460, 0.2223, 0.1778 by changing the saturation by 10% instead.


 29.1460, 0.2223,
0.1778


 29.1460, 0.2223,
0.1778


297.9032, 0.2694,
0.2490

 19.1913, 0.2106,
0.1620


 58.3090, 0.2395,
0.2023

 11.8086, 0.1959,
0.1431


 78.2860, 0.2459,
0.2119

 6.6135, 0.1770,
0.1203


 102.3727, 0.2514,
0.2202

 3.2216, 0.1523,
0.0929

130.9533, 0.2561,
0.2275

 1.2485, 0.1200,
0.0611

164.4122, 0.2601,
0.2339

 0.1008, 0.0802,
0.0093

203.1339, 0.2636,

 0.0000, 0.0000,

0.2395

0.0000

247.5028, 0.2667,
0.2445

■ 29.1460, 0.2223,
0.1778

■ 29.1460, 0.2223,
0.1778

■ 21.1502, 0.2012,
0.1428

■ 39.3234, 0.2439,
0.2137

■ 15.1795, 0.1821,
0.1114

■ 51.8292, 0.2646,
0.2483

■ 11.0516, 0.1667,
0.0863

■ 66.7940, 0.2837,
0.2802

■ 8.5528, 0.1563,
0.0695

■ 84.3393, 0.3008,
0.3089

■ 7.4018, 0.1510,
0.0613

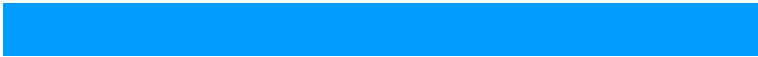
100.0000, 0.3127,
0.3290

■ 7.2482, 0.1504,
0.0602

Harmonies

Analogous

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



29.1460, 0.1618, 0.1748



29.1460, 0.2223, 0.1778



29.1460, 0.3203, 0.2080

Triad

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



29.1460, 0.2223, 0.1778



29.1460, 0.5215, 0.4003



29.1460, 0.1904, 0.4009

Complementary

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



29.1460, 0.2223, 0.1778



94.0781, 0.3820, 0.4466

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.



29.1460, 0.2747, 0.5138



29.1460, 0.2223, 0.1778



29.1460, 0.4648, 0.4765

Square

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



29.1460, 0.2223, 0.1778



29.1460, 0.5155, 0.3275



29.1460, 0.3746, 0.5330



29.1460, 0.1443, 0.2785

Rectangle

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



29.1460, 0.2223, 0.1778



29.1460, 0.3982, 0.2414



29.1460, 0.3746, 0.5330



29.1460, 0.2150, 0.4448

Sweetspot

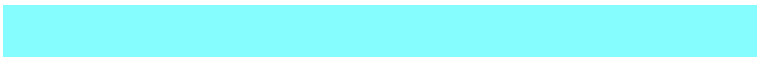
The Sweet Spot groups the original color and five complimentary colors.



29.1449, 0.2223, 0.1778



73.2417, 0.2905, 0.2917



82.4338, 0.2489, 0.3265



14.8936, 0.2867, 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.



29.1449, 0.2223, 0.1778



21.7506, 0.2029, 0.1457



35.7271, 0.2676, 0.1943



17.3926, 0.2981, 0.3044



3.7938, 0.1505, 0.0603



0.3744, 0.1517, 0.0609

Inverse Universe

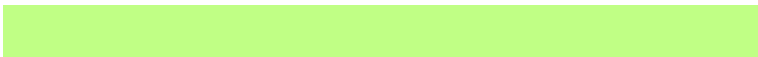
The Inverse Universe completely reimagines the original color for something new.



45.1144, 0.3200, 0.2144



39.3970, 0.3213, 0.1964



84.4133, 0.3403, 0.4655



18.2947, 0.3141, 0.3060



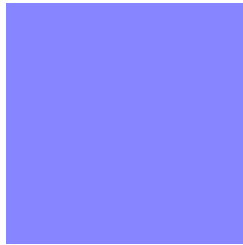
14.7384, 0.3252, 0.1565



1.4367, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 29.1460, 0.2223, 0.1778 looks on a white background.

Color Contrast Check

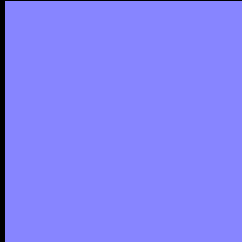
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1460, 0.2223, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

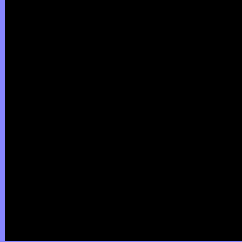
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1460, 0.2223, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 29.1460, 0.2223, 0.1778.



This preview shows how white text looks on a background with the Yxy color 29.1460, 0.2223, 0.1778.

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

29.1460, 0.2223, 0.1778

Protanopia

29.3517, 0.2036, 0.1828

Deuteranopia

29.4014, 0.1953, 0.1884



Tritanopia

29.1794, 0.2633, 0.3090

Trichromacy



Original Color

29.1460, 0.2223, 0.1778

Protanomaly

29.0002, 0.2092, 0.1800

Deuteranomaly

29.0121, 0.2025, 0.1838

Tritanomaly

28.5569, 0.2461, 0.2503

Monochromacy



Original Color

29.1460, 0.2223, 0.1778

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.0724, 0.2732, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1460, 0.2223, 0.1778 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(135, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1460, 0.2223, 0.1778 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(135, 133, 255) }
```

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

```
.border{ border-color:rgb(135, 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(135, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1460, 0.2223, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 255) }
```

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

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