

Converting Colors

$Yxy(30.9696, 0.1966, 0.1520)$

Have a look what the booklet for
Yxy(30.9696, 0.1966, 0.1520)
contains.

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Color

Yxy(28.2078, 0.2089, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	6F88FF
RGB	111, 136, 255
RGB Percent	44%, 53%, 100%
CMY	0.5649, 0.4666, 0.0000
CMYK	0.56, 0.47, 0.00, 0.00
HSL	230°, 100%, 72%
HSV	230°, 56%, 100%
XYZ	33.4048, 28.2078, 98.2955
YIQ	142.0910, -53.0990, 31.7090

Conversions

Conversions Part 2

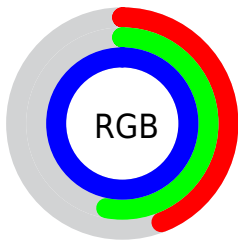
Format	Color
RYB	111, 132, 255
Decimal	7309567
CIELab	60.08, 24.94, -62.13
CIElCh	60, 66.948, 291.871
Yxy	28.2078, 0.2089, 0.1764
Android (android.graphics.Color)	4285499647 (0xFF6F88FF)
YUV	142.0910, 55.6641, -27.2668
Hunter-Lab	53.1110, 19.3255, -72.5536

Details

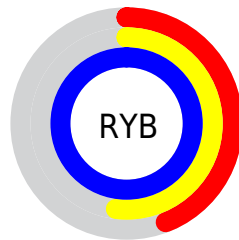
The Yxy color **28.2078, 0.2089, 0.1764** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.9641, 0.4071, 0.4441**, and the grayscale version is **26.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3858, 0.2566, 0.2524**, and **11.3190, 0.1801, 0.1415** is the 20% darker color. If you saturate the color by 10%, you get **21.4226, 0.1907, 0.1461**, and if you desaturate by 10%, it is **36.6318, 0.2286, 0.2075**.

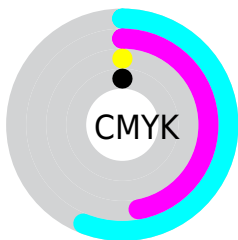
Distribution



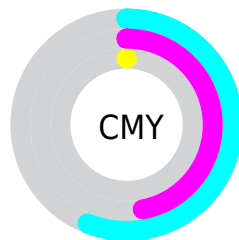
- Red (44%)
- Green (53%)
- Blue (100%)



- Red (44%)
- Yellow (52%)
- Blue (100%)



- Cyan (56%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2078, 0.2089, 0.1764 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 28.2078, 0.2089, 0.1764 by changing the saturation by 10% instead.


 28.2078, 0.2089,
0.1764


 28.2078, 0.2089,
0.1764


293.4585, 0.2623,
0.2490


 18.4824, 0.1959,
0.1602


 56.8160, 0.2282,
0.2015

 11.2968, 0.1797,
0.1408


 76.4676, 0.2355,
0.2113

 6.2669, 0.1591,
0.1174


 100.1967, 0.2417,
0.2198

 3.0080, 0.1328,
0.0894

128.3877, 0.2470,
0.2272

 1.1359, 0.0994,
0.0573

161.4250, 0.2516,
0.2336

 0.0084, 0.0588,
0.0008

199.6929, 0.2556,

 0.0000, 0.0000,

0.2394

0.0000

243.5760, 0.2592,
0.2445

■ 28.2078, 0.2089,
0.1764

■ 28.2078, 0.2089,
0.1764

■ 21.4226, 0.1907,
0.1461

■ 36.6318, 0.2286,
0.2075

■ 16.1645, 0.1751,
0.1184

■ 46.7924, 0.2485,
0.2378

■ 12.3098, 0.1632,
0.0952

■ 58.7817, 0.2678,
0.2663

■ 9.7125, 0.1556,
0.0780

■ 72.6845, 0.2860,
0.2922

■ 9.0491, 0.1537,
0.0733

■ 88.5803, 0.3027,
0.3154

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.2078, 0.1559, 0.1791



28.2078, 0.2089, 0.1764



28.2078, 0.2994, 0.2015

Triad

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



28.2078, 0.2089, 0.1764



28.2078, 0.5239, 0.3860



28.2078, 0.2052, 0.4251

Complementary

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



28.2078, 0.2089, 0.1764



78.9641, 0.4071, 0.4441

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.



28.2078, 0.2940, 0.5230



28.2078, 0.2089, 0.1764



28.2078, 0.4777, 0.4615

Square

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



28.2078, 0.2089, 0.1764



28.2078, 0.5033, 0.3147



28.2078, 0.3928, 0.5240



28.2078, 0.1515, 0.2993

Rectangle

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



28.2078, 0.2089, 0.1764



28.2078, 0.3752, 0.2319



28.2078, 0.3928, 0.5240



28.2078, 0.2319, 0.4660

Sweetspot

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



28.2084, 0.2089, 0.1764



71.9288, 0.2851, 0.2910



80.5305, 0.2525, 0.3606



14.7685, 0.2816, 0.2860



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.



28.2084, 0.2089, 0.1764



20.5340, 0.1881, 0.1417



25.7021, 0.2335, 0.1598



17.8885, 0.2979, 0.3087



4.8758, 0.1543, 0.0754



0.6088, 0.1593, 0.0933

Inverse Universe

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



34.3957, 0.4546, 0.3044



28.3992, 0.5026, 0.3028



86.2779, 0.3622, 0.4805



18.0387, 0.3267, 0.3249



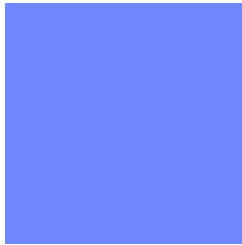
11.2202, 0.6145, 0.3159



1.1060, 0.5860, 0.3002

Previews

White Background



This preview shows how the Yxy color 28.2078, 0.2089, 0.1764 looks on a white background.

Color Contrast Check

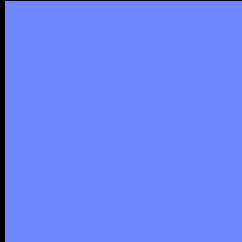
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2078, 0.2089, 0.1764 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 28.2078, 0.2089, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 28.2078, 0.2089, 0.1764.



This preview shows how white text looks on a background with the Yxy color 28.2078, 0.2089, 0.1764.

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

28.2078, 0.2089, 0.1764

Protanopia

28.2003, 0.2005, 0.1781

Deuteranopia

28.3797, 0.1903, 0.1835



Tritanopia

28.2193, 0.2399, 0.3062

Trichromacy



Original Color

28.2078, 0.2089, 0.1764

Protanomaly

28.2819, 0.2033, 0.1779

Deuteranomaly

27.9182, 0.1946, 0.1792

Tritanomaly

27.7889, 0.2263, 0.2487

Monochromacy



Original Color

28.2078, 0.2089, 0.1764

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0004, 0.2653, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2078, 0.2089, 0.1764 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(111, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 136, 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(111, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.2078, 0.2089, 0.1764 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(111, 136, 255) }
```

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

```
.border{ border-color:rgb(111, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2078, 0.2089, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 136, 255) }
```

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

```
.background{ background-color: rgb(111,  
136, 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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