

Converting Colors

$Yxy(68.2617, 0.2273, 0.3043)$

Have a look what the booklet for
Yxy(68.2617, 0.2273, 0.3043)
contains.

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Color

Yxy(68.2989, 0.2272, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	4FEBFF
RGB	79, 235, 255
RGB Percent	31%, 92%, 100%
CMY	0.6904, 0.0784, 0.0000
CMYK	0.69, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 69%, 100%
XYZ	50.9774, 68.2989, 105.0959
YIQ	190.6360, -99.3960, -26.8520

Conversions

Conversions Part 2

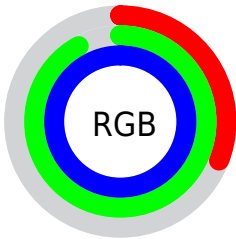
Format	Color
RYB	79, 162, 255
Decimal	5237759
CIELab	86.16, -34.09, -21.52
CIELCh	86, 40.313, 212.270
Yxy	68.2989, 0.2272, 0.3044
Android (android.graphics.Color)	4283427839 (0xFF4FEBFF)
YUV	190.6360, 31.7315, -97.9048
Hunter-Lab	82.6431, -34.5201, -17.5479

Details

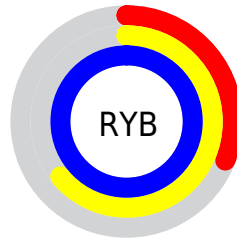
The Yxy color **68.2989, 0.2272, 0.3044** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **30.7318, 0.5312, 0.3466**, and the grayscale version is **51.7270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.7666, 0.2212, 0.3004**, and if you desaturate by 10%, it is **71.2822, 0.2352, 0.3084**.

Distribution



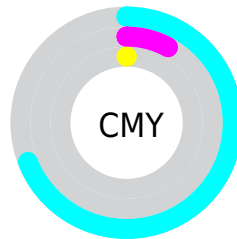
- Red (31%)
- Green (92%)
- Blue (100%)



- Red (31%)
- Yellow (64%)
- Blue (100%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2989, 0.2272, 0.3044 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 68.2989, 0.2272, 0.3044 by changing the saturation by 10% instead.


 68.2989, 0.2272,
0.3044


 68.2989, 0.2272,
0.3044

454.5543, 0.2657,
0.3172


 50.1409, 0.2187,
0.3012

 116.7796, 0.2403,
0.3091

 35.5254, 0.2084,
0.2971


 147.8712, 0.2455,
0.3108

 24.0679, 0.1957,
0.2917


 184.0428, 0.2500,
0.3123

 15.3840, 0.1796,
0.2843

 225.6787, 0.2539,
0.3136

 9.0893, 0.1589,
0.2737

273.1635, 0.2574,
0.3146

 4.7995, 0.1313,
0.2577

326.8814, 0.2605,

 2.1301, 0.0943,

0.3156

387.2169, 0.2633,
0.3164

0.2315

0.6815, 0.0000,
0.1903

0.0000, 0.0000,
0.0000

68.2989, 0.2272,
0.3044

68.2989, 0.2272,
0.3044

65.7666, 0.2212,
0.3004

71.2822, 0.2352,
0.3084

63.6265, 0.2171,
0.2964

74.7518, 0.2450,
0.3123

61.8058, 0.2147,
0.2925

78.7482, 0.2566,
0.3161

61.6388, 0.2145,
0.2921

83.3051, 0.2696,
0.3198

■ 88.4534, 0.2837,
0.3232

■ 94.2218, 0.2987,
0.3264

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



68.2989, 0.2517, 0.3532



68.2989, 0.2272, 0.3044



68.2989, 0.2238, 0.2683

Triad

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



68.2989, 0.2272, 0.3044



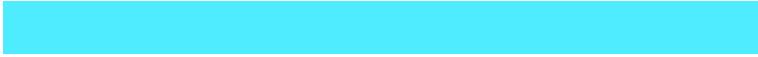
68.2989, 0.3267, 0.2720



68.2989, 0.3853, 0.4099

Complementary

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



68.2989, 0.2272, 0.3044



30.7318, 0.5312, 0.3466

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.



68.2989, 0.4097, 0.3803



68.2989, 0.2272, 0.3044



68.2989, 0.3750, 0.3035

Square

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



68.2989, 0.2272, 0.3044



68.2989, 0.2778, 0.2533



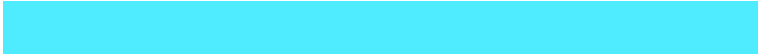
68.2989, 0.4064, 0.3419



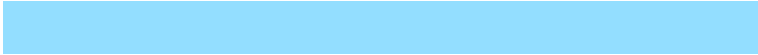
68.2989, 0.3423, 0.4186

Rectangle

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



68.2989, 0.2272, 0.3044



68.2989, 0.2333, 0.2547



68.2989, 0.4064, 0.3419



68.2989, 0.3961, 0.4017

Sweetspot

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



68.3014, 0.2272, 0.3044



87.4030, 0.2809, 0.3225



74.0294, 0.2969, 0.5346



18.3976, 0.2769, 0.3216



0.0000, 0.0000, 0.0000



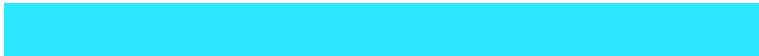
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3014, 0.2272, 0.3044



64.8799, 0.2194, 0.2988



30.4892, 0.1988, 0.1890



20.1085, 0.2980, 0.3262



32.3506, 0.2147, 0.2928



3.2458, 0.2159, 0.2973

Inverse Universe

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



32.8410, 0.3398, 0.1891



28.7815, 0.3458, 0.1761



56.3415, 0.4561, 0.4289



18.2628, 0.3155, 0.3082



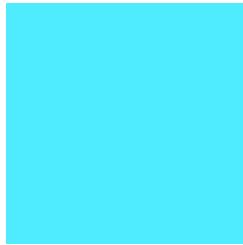
13.9938, 0.3518, 0.1712



1.3722, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 68.2989, 0.2272, 0.3044 looks on a white background.

Color Contrast Check

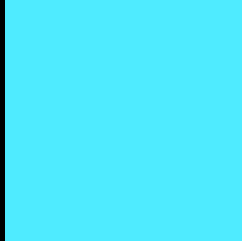
Large Text (above 18pt) WCAG AA × Fail

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 68.2989, 0.2272, 0.3044 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 ✓ Pass

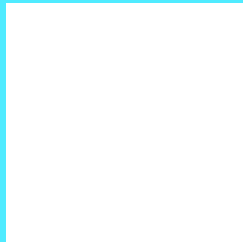
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2989, 0.2272, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 68.2989, 0.2272, 0.3044.

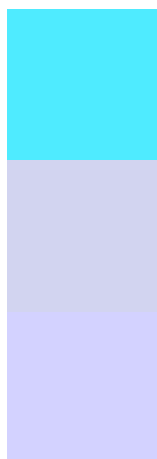


This preview shows how white text looks on a background with the Yxy color 68.2989, 0.2272, 0.3044.

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

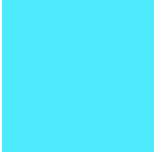
68.2989, 0.2272, 0.3044

Protanopia

67.0799, 0.2929, 0.2983

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

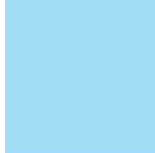
68.1921, 0.2273, 0.3055

Trichromacy



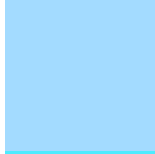
Original Color

68.2989, 0.2272, 0.3044



Protanomaly

65.4604, 0.2608, 0.2997



Deuteranomaly

65.6696, 0.2561, 0.2876



Tritanomaly

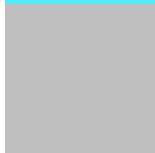
68.1921, 0.2273, 0.3055

Monochromacy



Original Color

68.2989, 0.2272, 0.3044



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.9647, 0.2688, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2989, 0.2272, 0.3044 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(79, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 235, 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(79, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2989, 0.2272, 0.3044 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(79, 235, 255) }
```

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

```
.border{ border-color:rgb(79, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2989, 0.2272, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 235, 255) }
```

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

```
.background{ background-color: rgb(79, 235,  
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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