

Converting Colors

$Yxy(68.2332, 0.2266, 0.3044)$

Have a look what the booklet for
Yxy(68.2332, 0.2266, 0.3044)
contains.

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Color

Yxy(68.1732, 0.2265, 0.3043)

Conversions

Conversions Part 1

Format	Color
Hex	4CEBFF
RGB	76, 235, 255
RGB Percent	30%, 92%, 100%
CMY	0.7019, 0.0784, 0.0000
CMYK	0.70, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 70%, 100%
XYZ	50.7434, 68.1732, 105.1162
YIQ	189.7390, -101.1840, -27.4880

Conversions

Conversions Part 2

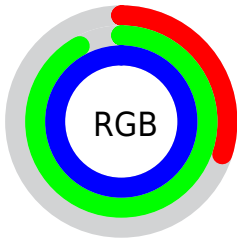
Format	Color
RYB	76, 160, 255
Decimal	5041151
CIELab	86.09, -34.44, -21.64
CIELCh	86, 40.675, 212.149
Yxy	68.1732, 0.2265, 0.3043
Android (android.graphics.Color)	4283231231 (0xFF4CEBFF)
YUV	189.7390, 32.1737, -99.7491
Hunter-Lab	82.5671, -34.7912, -17.6852

Details

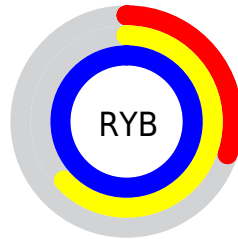
The Yxy color **68.1732, 0.2265, 0.3043** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **30.1530, 0.5366, 0.3463**, and the grayscale version is **51.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.7090, 0.2208, 0.3004**, and if you desaturate by 10%, it is **71.0783, 0.2342, 0.3083**.

Distribution



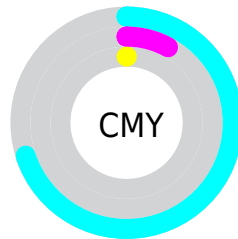
- Red (30%)
- Green (92%)
- Blue (100%)



- Red (30%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1732, 0.2265, 0.3043 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 68.1732, 0.2265, 0.3043 by changing the saturation by 10% instead.

 68.1732, 0.2265,
0.3043

 68.1732, 0.2265,
0.3043


454.1094, 0.2654,
0.3171


 50.0387, 0.2180,
0.3011


 116.5999, 0.2397,
0.3090


 35.4441, 0.2076,
0.2969


 147.6608, 0.2449,
0.3108

 24.0052, 0.1948,
0.2915


 183.7993, 0.2495,
0.3122

 15.3375, 0.1786,
0.2841

 225.3998, 0.2534,
0.3135

 9.0566, 0.1577,
0.2734

272.8467, 0.2569,
0.3146

 4.7781, 0.1300,
0.2572

326.5243, 0.2601,

 2.1177, 0.0929,

0.3156

0.2307

386.8171, 0.2628,
0.3164

0.6745, 0.0000,
0.1886

0.0000, 0.0000,
0.0000

68.1732, 0.2265,
0.3043

68.1732, 0.2265,
0.3043

65.7090, 0.2208,
0.3004

71.0783, 0.2342,
0.3083

63.6316, 0.2169,
0.2965

74.4664, 0.2439,
0.3122

61.8866, 0.2146,
0.2927

78.3762, 0.2552,
0.3159

82.8421, 0.2680,
0.3195

■ 87.8953, 0.2821,
0.3229

■ 93.5645, 0.2970,
0.3261

99.8767, 0.3124,
0.3290

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.



68.1732, 0.2513, 0.3536



68.1732, 0.2265, 0.3043



68.1732, 0.2229, 0.2678

Triad

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



68.1732, 0.2265, 0.3043



68.1732, 0.3266, 0.2714



68.1732, 0.3861, 0.4105

Complementary

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



68.1732, 0.2265, 0.3043



30.1530, 0.5366, 0.3463

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.



68.1732, 0.4107, 0.3806



68.1732, 0.2265, 0.3043



68.1732, 0.3755, 0.3031

Square

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



68.1732, 0.2265, 0.3043



68.1732, 0.2773, 0.2526



68.1732, 0.4072, 0.3418



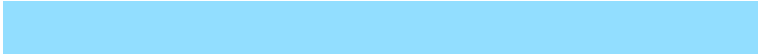
68.1732, 0.3428, 0.4195

Rectangle

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



68.1732, 0.2265, 0.3043



68.1732, 0.2325, 0.2541



68.1732, 0.4072, 0.3418



68.1732, 0.3970, 0.4022

Sweetspot

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



68.1738, 0.2265, 0.3043



87.4610, 0.2809, 0.3226



73.8644, 0.2969, 0.5380



18.4116, 0.2769, 0.3217



0.0000, 0.0000, 0.0000



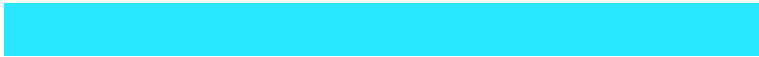
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1738, 0.2265, 0.3043



64.8741, 0.2191, 0.2989



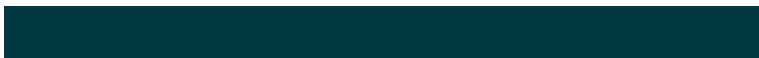
29.8172, 0.1972, 0.1863



20.1142, 0.2980, 0.3263



32.4760, 0.2148, 0.2933



3.2567, 0.2161, 0.2978

Inverse Universe

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



32.4307, 0.3400, 0.1875



28.6051, 0.3458, 0.1752



55.8189, 0.4587, 0.4298



18.2633, 0.3155, 0.3082



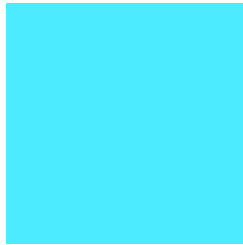
14.0064, 0.3513, 0.1709



1.3733, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 68.1732, 0.2265, 0.3043 looks on a white background.

Color Contrast Check

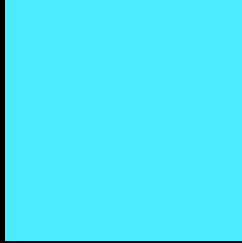
Large Text (above 18pt) WCAG AA × Fail

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 68.1732, 0.2265, 0.3043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

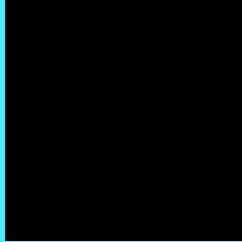
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1732, 0.2265, 0.3043

Background



This preview shows how black text looks on a background with the Yxy color 68.1732, 0.2265, 0.3043.

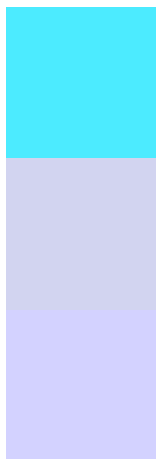


This preview shows how white text looks on a background with the Yxy color 68.1732, 0.2265, 0.3043.

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

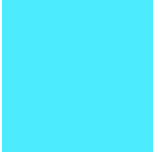
68.1732, 0.2265, 0.3043

Protanopia

67.0799, 0.2929, 0.2983

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

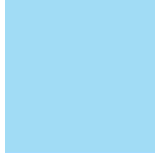
68.1089, 0.2269, 0.3055

Trichromacy



Original Color

68.1732, 0.2265, 0.3043



Protanomaly

65.3560, 0.2603, 0.2996



Deuteranomaly

65.5644, 0.2556, 0.2875



Tritanomaly

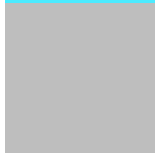
68.1089, 0.2269, 0.3055

Monochromacy



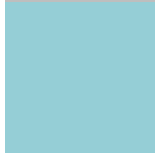
Original Color

68.1732, 0.2265, 0.3043



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.3872, 0.2681, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1732, 0.2265, 0.3043 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(76, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.1732, 0.2265, 0.3043 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(76, 235, 255) }
```

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

```
.border{ border-color:rgb(76, 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(76, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1732, 0.2265, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 235, 255) }
```

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

```
.background{ background-color: rgb(76, 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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