

Converting Colors

$Y_{xy}(68.2030, 0.2238, 0.3054)$

Have a look what the booklet for
Yxy(68.2030, 0.2238, 0.3054)
contains.

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Color

Yxy(68.2030, 0.2238, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	3DECFF
RGB	61, 236, 255
RGB Percent	24%, 93%, 100%
CMY	0.7599, 0.0745, 0.0000
CMYK	0.76, 0.07, 0.00, 0.00
HSL	186°, 100%, 62%
HSV	186°, 76%, 100%
XYZ	49.9798, 68.2030, 105.1407
YIQ	185.8410, -110.3990, -31.1910

Conversions

Conversions Part 2

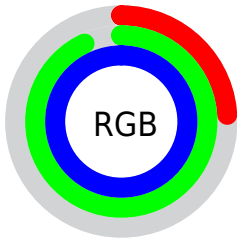
Format	Color
R _Y B	61, 153, 255
Decimal	4058367
CIE Lab	86.11, -36.55, -21.63
CIE LCh	86, 42.470, 210.623
Yxy	68.2030, 0.2238, 0.3054
Android (android.graphics.Color)	4282248447 (0xFF3DECFF)
YUV	185.8410, 34.0954, -109.4856
Hunter-Lab	82.5851, -36.4973, -17.6737

Details

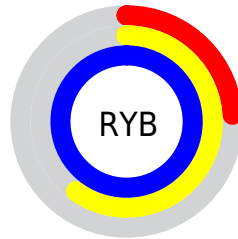
The Yxy color **68.2030, 0.2238, 0.3054** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.3705, 0.5643, 0.3434**, and the grayscale version is **48.8971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **36.7197, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **66.1458, 0.2194, 0.3020**, and if you desaturate by 10%, it is **70.6694, 0.2302, 0.3089**.

Distribution



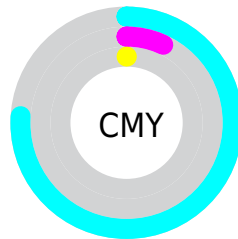
- Red (24%)
- Green (93%)
- Blue (100%)



- Red (24%)
- Yellow (60%)
- Blue (100%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2030, 0.2238, 0.3054 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 68.2030, 0.2238, 0.3054 by changing the saturation by 10% instead.


 68.2030, 0.2238,
0.3054

 68.2030, 0.2238,
0.3054


454.2149, 0.2638,
0.3178

 50.0629, 0.2150,
0.3022

 116.6425, 0.2374,
0.3100


 35.4634, 0.2044,
0.2982


 147.7107, 0.2428,
0.3117

 24.0200, 0.1912,
0.2928


 183.8570, 0.2474,
0.3131

 15.3485, 0.1747,
0.2855

 225.4659, 0.2515,
0.3143

 9.0643, 0.1534,
0.2749

272.9218, 0.2551,
0.3154

 4.7832, 0.1253,
0.2587

326.6090, 0.2584,

 2.1206, 0.0879,

0.3163

0.2321

386.9119, 0.2612,
0.3171

0.6762, 0.0000,
0.1889

0.0000, 0.0000,
0.0000

68.2030, 0.2238,
0.3054

68.2030, 0.2238,
0.3054

66.1458, 0.2194,
0.3020

70.6694, 0.2302,
0.3089

64.4315, 0.2167,
0.2986

73.5866, 0.2385,
0.3123

63.8059, 0.2159,
0.2973

76.9979, 0.2488,
0.3156

80.9398, 0.2606,
0.3189

■ 85.4451, 0.2739,
0.3219

■ 90.5439, 0.2882,
0.3248

■ 96.2642, 0.3034,
0.3275

■ 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.



68.2030, 0.2505, 0.3573



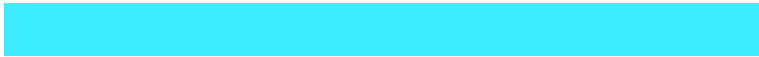
68.2030, 0.2238, 0.3054



68.2030, 0.2190, 0.2665

Triad

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



68.2030, 0.2238, 0.3054



68.2030, 0.3243, 0.2678



68.2030, 0.3910, 0.4127

Complementary

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



68.2030, 0.2238, 0.3054



27.3705, 0.5643, 0.3434

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.



68.2030, 0.4155, 0.3805



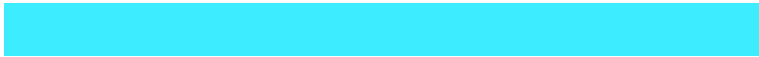
68.2030, 0.2238, 0.3054



68.2030, 0.3759, 0.3000

Square

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



68.2030, 0.2238, 0.3054



68.2030, 0.2734, 0.2491



68.2030, 0.4104, 0.3399



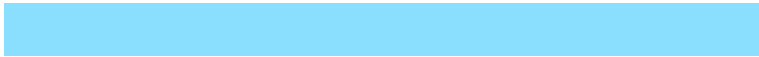
68.2030, 0.3464, 0.4239

Rectangle

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



68.2030, 0.2238, 0.3054



68.2030, 0.2282, 0.2517



68.2030, 0.4104, 0.3399



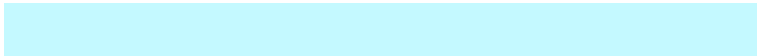
68.2030, 0.4020, 0.4036

Sweetspot

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



68.2052, 0.2238, 0.3054



86.9068, 0.2781, 0.3228



73.0602, 0.2975, 0.5567



18.2252, 0.2730, 0.3218



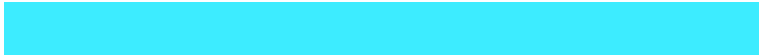
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.2052, 0.2238, 0.3054



65.2485, 0.2178, 0.3003



27.5541, 0.1906, 0.1771



20.1588, 0.2980, 0.3266



33.4643, 0.2161, 0.2978



3.3429, 0.2171, 0.3017

Inverse Universe

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



30.6769, 0.3396, 0.1795



27.7105, 0.3449, 0.1702



51.9717, 0.4745, 0.4306



18.2678, 0.3153, 0.3078



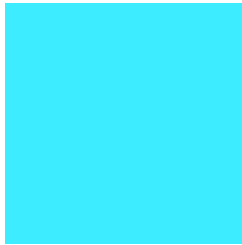
14.1062, 0.3473, 0.1687



1.3820, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 68.2030, 0.2238, 0.3054 looks on a white background.

Color Contrast Check

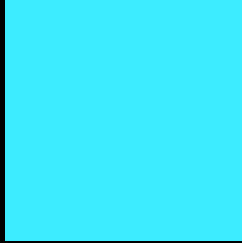
Large Text (above 18pt) WCAG AA × Fail

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 68.2030, 0.2238, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

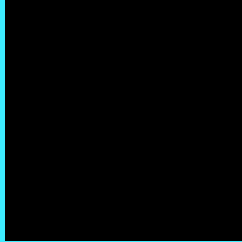
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

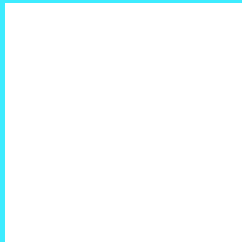
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2030, 0.2238, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 68.2030, 0.2238, 0.3054.

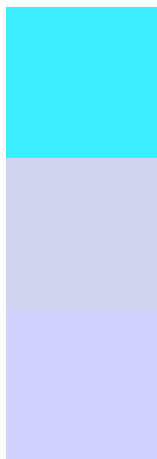


This preview shows how white text looks on a background with the Yxy color 68.2030, 0.2238, 0.3054.

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

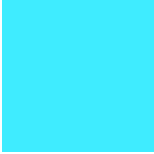
68.2030, 0.2238, 0.3054

Protanopia

67.0206, 0.2935, 0.2994

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

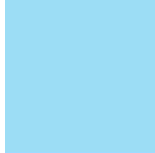
68.2677, 0.2241, 0.3054

Trichromacy



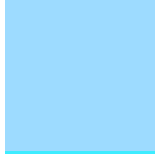
Original Color

68.2030, 0.2238, 0.3054



Protanomaly

65.3734, 0.2577, 0.3006



Deuteranomaly

65.0511, 0.2529, 0.2872



Tritanomaly

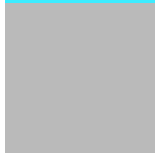
68.2350, 0.2239, 0.3054

Monochromacy



Original Color

68.2030, 0.2238, 0.3054



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.5516, 0.2647, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2030, 0.2238, 0.3054 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(61, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 236, 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(61, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2030, 0.2238, 0.3054 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(61, 236, 255) }
```

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

```
.border{ border-color:rgb(61, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2030, 0.2238, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 236, 255) }
```

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

```
.background{ background-color: rgb(61, 236,  
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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