

Converting Colors

$Yxy(68.4624, 0.2193, 0.3077)$

Have a look what the booklet for
Yxy(68.4624, 0.2193, 0.3077)
contains.

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Color

Yxy(68.4546, 0.2193, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	0DEEFF
RGB	13, 238, 255
RGB Percent	5%, 93%, 100%
CMY	0.9485, 0.0666, 0.0001
CMYK	0.95, 0.07, 0.00, 0.00
HSL	184°, 100%, 53%
HSV	184°, 95%, 100%
XYZ	48.7881, 68.4546, 105.2292
YIQ	172.6630, -139.5570, -42.4130

Conversions

Conversions Part 2

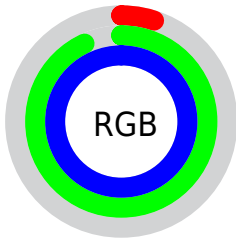
Format	Color
R_{YB}	13, 130, 255
Decimal	913151
CIE _{Lab}	86.23, -40.32, -21.47
CIE _{LCh}	86, 45.682, 208.038
Yxy	68.4546, 0.2193, 0.3077
Android (android.graphics.Color)	4279103231 (0xFF0DEEFF)
YUV	172.6630, 40.5921, -140.0245
Hunter-Lab	82.7373, -39.5333, -17.4917

Details

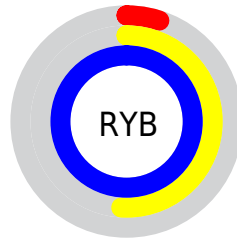
The Yxy color **68.4546, 0.2193, 0.3077** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **22.2187, 0.6285, 0.3343**, and the grayscale version is **41.4719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.8355, 0.2185, 0.3065**, and if you desaturate by 10%, it is **69.8418, 0.2218, 0.3101**.

Distribution



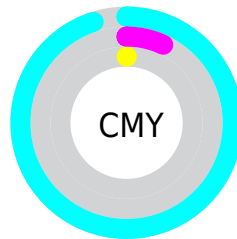
- Red (5%)
- Green (93%)
- Blue (100%)



- Red (5%)
- Yellow (51%)
- Blue (100%)



- Cyan (95%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4546, 0.2193, 0.3077 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 68.4546, 0.2193, 0.3077 by changing the saturation by 10% instead.


 68.4546, 0.2193,
0.3077


 68.4546, 0.2193,
0.3077

455.1050, 0.2612,
0.3192


 50.2677, 0.2101,
0.3047

 117.0022, 0.2335,
0.3120

 35.6261, 0.1990,
0.3009


 148.1317, 0.2392,
0.3136

 24.1456, 0.1854,
0.2957


 184.3442, 0.2440,
0.3149

 15.4416, 0.1683,
0.2886

 226.0241, 0.2483,
0.3160

 9.1299, 0.1463,
0.2782

273.5557, 0.2521,
0.3170

 4.8260, 0.1176,
0.2623


327.3234, 0.2555,

 2.1456, 0.0796,

0.3178

0.2359


387.7117, 0.2585,
0.3186

 0.6901, 0.0000,
0.1916


 0.0000, 0.0000,
0.0000

 68.4546, 0.2193,
0.3077


 68.4546, 0.2193,
0.3077


 67.8355, 0.2185,
0.3065

 69.8418, 0.2218,
0.3101


 71.5694, 0.2261,
0.3125


 73.6979, 0.2324,
0.3149

 76.2745, 0.2406,
0.3173

 79.3396, 0.2507,
0.3197

 82.9292, 0.2624,
0.3220

 87.0756, 0.2756,
0.3242

 91.8088, 0.2900,
0.3262

 97.1562, 0.3051,
0.3281

Harmonies

Analogous

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



68.4546, 0.2494, 0.3643



68.4546, 0.2193, 0.3077



68.4546, 0.2123, 0.2646

Triad

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



68.4546, 0.2193, 0.3077



68.4546, 0.3200, 0.2614



68.4546, 0.3997, 0.4160

Complementary

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



68.4546, 0.2193, 0.3077



22.2187, 0.6285, 0.3343

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.



68.4546, 0.4238, 0.3798



68.4546, 0.2193, 0.3077



68.4546, 0.3762, 0.2945

Square

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



68.4546, 0.2193, 0.3077



68.4546, 0.2663, 0.2429



68.4546, 0.4157, 0.3363



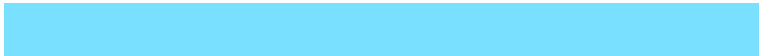
68.4546, 0.3530, 0.4315

Rectangle

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



68.4546, 0.2193, 0.3077



68.4546, 0.2207, 0.2478



68.4546, 0.4157, 0.3363



68.4546, 0.4108, 0.4055

Sweetspot

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



68.4571, 0.2193, 0.3077



85.7256, 0.2713, 0.3235



71.6822, 0.2989, 0.5927



17.9674, 0.2657, 0.3226



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.



68.4571, 0.2193, 0.3077



67.8490, 0.2185, 0.3065



20.2450, 0.1737, 0.1424



20.2503, 0.2980, 0.3273



35.5452, 0.2186, 0.3069



3.5237, 0.2193, 0.3096

Inverse Universe

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



27.7202, 0.3386, 0.1652



27.3806, 0.3397, 0.1645



43.1538, 0.5154, 0.4258



18.2771, 0.3149, 0.3072



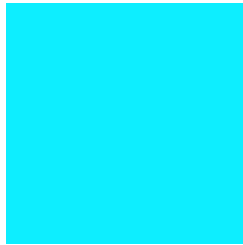
14.3163, 0.3394, 0.1643



1.4003, 0.3371, 0.1630

Previews

White Background



This preview shows how the Yxy color 68.4546, 0.2193, 0.3077 looks on a white background.

Color Contrast Check

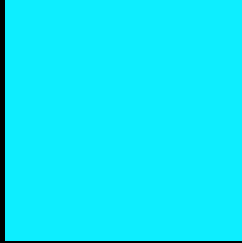
Large Text (above 18pt) WCAG AA × Fail

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 68.4546, 0.2193, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

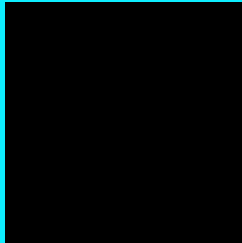
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4546, 0.2193, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 68.4546, 0.2193, 0.3077.

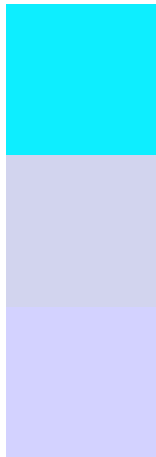


This preview shows how white text looks on a background with the Yxy color 68.4546, 0.2193, 0.3077.

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

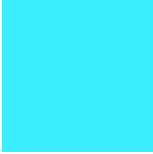
68.4546, 0.2193, 0.3077

Protanopia

66.9617, 0.2941, 0.3004

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

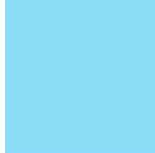
68.6879, 0.2236, 0.3067

Trichromacy



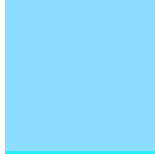
Original Color

68.4546, 0.2193, 0.3077



Protanomaly

63.6478, 0.2491, 0.3011



Deuteranomaly

63.8954, 0.2443, 0.2875



Tritanomaly

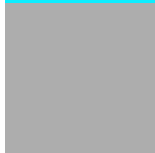
68.2806, 0.2213, 0.3065

Monochromacy



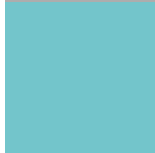
Original Color

68.4546, 0.2193, 0.3077



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.8891, 0.2530, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4546, 0.2193, 0.3077 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(13, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 238, 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(13, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.4546, 0.2193, 0.3077 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(13, 238, 255) }
```

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

```
.border{ border-color:rgb(13, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4546, 0.2193, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 238, 255) }
```

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

```
.background{ background-color: rgb(13, 238,  
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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