

Converting Colors

$Y_{xy}(68.7231, 0.2207, 0.3078)$

Have a look what the booklet for
Yxy(68.7231, 0.2207, 0.3078)
contains.

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Color

Yxy(68.6924, 0.2206, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	21EEFF
RGB	33, 238, 255
RGB Percent	13%, 93%, 100%
CMY	0.8720, 0.0666, 0.0000
CMYK	0.87, 0.07, 0.00, 0.00
HSL	185°, 100%, 56%
HSV	185°, 87%, 100%
XYZ	49.2478, 68.6924, 105.3045
YIQ	178.6430, -127.6370, -38.1730

Conversions

Conversions Part 2

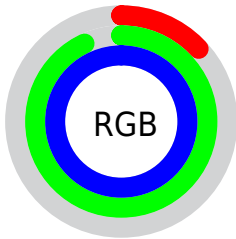
Format	Color
R _Y B	33, 140, 255
Decimal	2223871
CIE Lab	86.35, -39.58, -21.32
CIE LCh	86, 44.953, 208.307
Yxy	68.6924, 0.2206, 0.3077
Android (android.graphics.Color)	4280413951 (0xFF21EEFF)
YUV	178.6430, 37.6440, -127.7289
Hunter-Lab	82.8809, -38.9769, -17.3145

Details

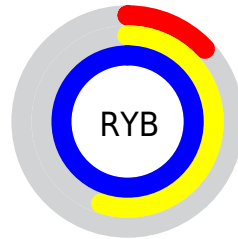
The Yxy color **68.6924, 0.2206, 0.3077** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.6181, 0.6093, 0.3375**, and the grayscale version is **44.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.2923, 0.2184, 0.3052**, and if you desaturate by 10%, it is **70.4195, 0.2246, 0.3104**.

Distribution



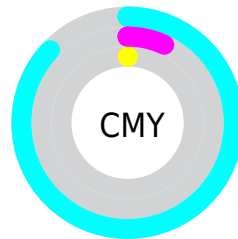
- Red (13%)
- Green (93%)
- Blue (100%)



- Red (13%)
- Yellow (55%)
- Blue (100%)



- Cyan (87%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6924, 0.2206, 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 68.6924, 0.2206, 0.3077 by changing the saturation by 10% instead.


 68.6924, 0.2206,
0.3077

 68.6924, 0.2206,
0.3077


455.9453, 0.2619,
0.3192


 50.4612, 0.2116,
0.3047


 117.3421, 0.2346,
0.3120


 35.7800, 0.2006,
0.3009


 148.5295, 0.2402,
0.3135

 24.2644, 0.1871,
0.2958


 184.8044, 0.2450,
0.3149

 15.5298, 0.1702,
0.2888

 226.5511, 0.2492,
0.3160

 9.1921, 0.1485,
0.2786

274.1542, 0.2530,
0.3169

 4.8667, 0.1200,
0.2628

327.9980, 0.2563,

 2.1692, 0.0824,

0.3178

388.4669, 0.2593,
0.3185

0.2368

0.7032, 0.0000,
0.1942

0.0000, 0.0000,
0.0000

68.6924, 0.2206,
0.3077

68.6924, 0.2206,
0.3077

67.2923, 0.2184,
0.3052

70.4195, 0.2246,
0.3104

66.9321, 0.2179,
0.3045

72.5373, 0.2304,
0.3130

75.0948, 0.2383,
0.3157

78.1338, 0.2480,
0.3183

81.6912, 0.2594,
0.3208

85.8002, 0.2724,
0.3232

90.4912, 0.2865,
0.3255

95.7923, 0.3015,
0.3276

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.



68.6924, 0.2501, 0.3632



68.6924, 0.2206, 0.3077



68.6924, 0.2139, 0.2654

Triad

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



68.6924, 0.2206, 0.3077



68.6924, 0.3204, 0.2627



68.6924, 0.3980, 0.4149

Complementary

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



68.6924, 0.2206, 0.3077



23.6181, 0.6093, 0.3375

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.



68.6924, 0.4219, 0.3796



68.6924, 0.2206, 0.3077



68.6924, 0.3756, 0.2954

Square

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



68.6924, 0.2206, 0.3077



68.6924, 0.2675, 0.2443



68.6924, 0.4141, 0.3367



68.6924, 0.3520, 0.4296

Rectangle

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



68.6924, 0.2206, 0.3077



68.6924, 0.2223, 0.2490



68.6924, 0.4141, 0.3367



68.6924, 0.4090, 0.4047

Sweetspot

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



68.6923, 0.2206, 0.3078



86.3307, 0.2740, 0.3235



72.0466, 0.2984, 0.5827



18.1547, 0.2693, 0.3227



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.



68.6923, 0.2206, 0.3078



66.9321, 0.2179, 0.3045



23.2380, 0.1798, 0.1576



20.2298, 0.2980, 0.3271



35.0734, 0.2180, 0.3049



3.4828, 0.2189, 0.3078

Inverse Universe

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



28.5018, 0.3383, 0.1686



27.2880, 0.3415, 0.1655



46.0428, 0.5016, 0.4289



18.2750, 0.3150, 0.3073



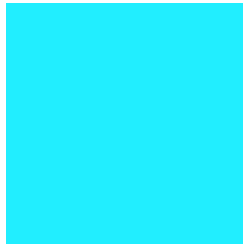
14.2686, 0.3411, 0.1653



1.3961, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 68.6924, 0.2206, 0.3077 looks on a white background.

Color Contrast Check

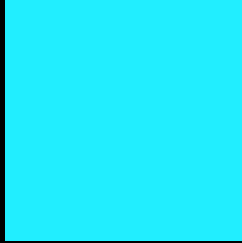
Large Text (above 18pt) WCAG AA × Fail

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 68.6924, 0.2206, 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

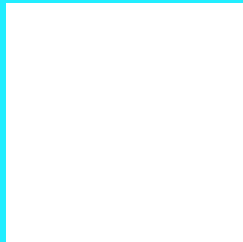
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6924, 0.2206, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 68.6924, 0.2206, 0.3077.

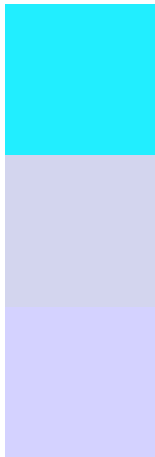


This preview shows how white text looks on a background with the Yxy color 68.6924, 0.2206, 0.3077.

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

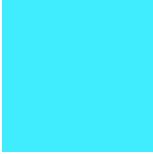
68.6924, 0.2206, 0.3077

Protanopia

67.6104, 0.2948, 0.3016

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

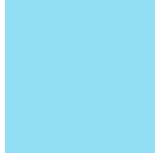
68.8784, 0.2246, 0.3067

Trichromacy



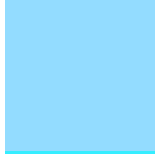
Original Color

68.6924, 0.2206, 0.3077



Protanomaly

64.8852, 0.2532, 0.3026



Deuteranomaly

64.6094, 0.2481, 0.2879



Tritanomaly

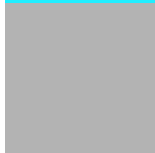
68.5453, 0.2228, 0.3066

Monochromacy



Original Color

68.6924, 0.2206, 0.3077



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.2492, 0.2575, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6924, 0.2206, 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(33, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 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(33, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6924, 0.2206, 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(33, 238, 255) }
```

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

```
.border{ border-color:rgb(33, 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(33, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6924, 0.2206, 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(33, 238, 255) }
```

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

```
.background{ background-color: rgb(33, 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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