

Converting Colors

$Y_{xy}(71.7643, 0.2081, 0.2634)$

Have a look what the booklet for
Yxy(71.7643, 0.2081, 0.2634)
contains.

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Color

Yxy(68.7092, 0.2207, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	22EEFF
RGB	34, 238, 255
RGB Percent	13%, 93%, 100%
CMY	0.8678, 0.0666, 0.0000
CMYK	0.87, 0.07, 0.00, 0.00
HSL	185°, 100%, 57%
HSV	185°, 87%, 100%
XYZ	49.2822, 68.7092, 105.3080
YIQ	178.9420, -127.0410, -37.9610

Conversions

Conversions Part 2

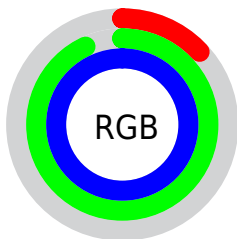
Format	Color
R _Y B	34, 140, 255
Decimal	2289407
CIE Lab	86.36, -39.52, -21.30
CIE LCh	86, 44.896, 208.328
Yxy	68.7092, 0.2207, 0.3077
Android (android.graphics.Color)	4280479487 (0xFF22EEFF)
YUV	178.9420, 37.4966, -127.1141
Hunter-Lab	82.8910, -38.9336, -17.3006

Details

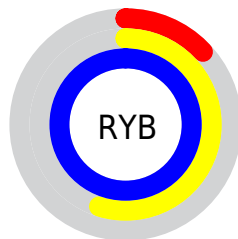
The Yxy color **68.7092, 0.2207, 0.3077** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.7166, 0.6079, 0.3377**, and the grayscale version is **44.8496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.2925, 0.2184, 0.3052**, and if you desaturate by 10%, it is **70.4567, 0.2248, 0.3104**.

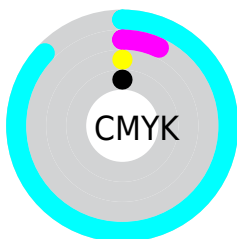
Distribution



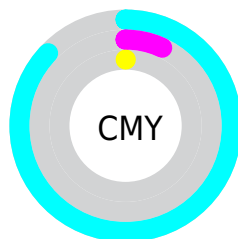
- Red (13%)
- Green (93%)
- Blue (100%)



- 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 68.7092, 0.2207, 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 68.7092, 0.2207, 0.3077 by changing the saturation by 10% instead.


 68.7092, 0.2207,
0.3077

 68.7092, 0.2207,
0.3077

456.0047, 0.2620,
0.3191


 50.4749, 0.2117,
0.3047


 117.3661, 0.2347,
0.3120

 35.7909, 0.2007,
0.3009


 148.5576, 0.2403,
0.3135

 24.2727, 0.1873,
0.2958


 184.8368, 0.2451,
0.3149

 15.5361, 0.1703,
0.2888

 226.5884, 0.2493,
0.3160

 9.1965, 0.1486,
0.2786

274.1965, 0.2530,
0.3169

 4.8696, 0.1202,
0.2629

328.0457, 0.2564,

 2.1709, 0.0826,

0.3178

0.2369

388.5203, 0.2593,
0.3185

0.7041, 0.0000,
0.1943

0.0000, 0.0000,
0.0000

68.7092, 0.2207,
0.3077

68.7092, 0.2207,
0.3077

67.2925, 0.2184,
0.3052


70.4567, 0.2248,
0.3104


66.8764, 0.2179,
0.3043


72.5973, 0.2307,
0.3131


75.1797, 0.2386,
0.3157


78.2454, 0.2484,
0.3183

 81.8311, 0.2600,
0.3209

 85.9698, 0.2729,
0.3233

 90.6919, 0.2871,
0.3256

 96.0253, 0.3022,
0.3277

 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.



68.7092, 0.2502, 0.3631



68.7092, 0.2207, 0.3077



68.7092, 0.2140, 0.2655

Triad

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



68.7092, 0.2207, 0.3077



68.7092, 0.3204, 0.2628



68.7092, 0.3978, 0.4149

Complementary

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



68.7092, 0.2207, 0.3077



23.7166, 0.6079, 0.3377

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.



68.7092, 0.4217, 0.3795



68.7092, 0.2207, 0.3077



68.7092, 0.3756, 0.2955

Square

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



68.7092, 0.2207, 0.3077



68.7092, 0.2676, 0.2444



68.7092, 0.4140, 0.3367



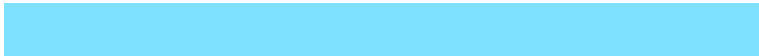
68.7092, 0.3519, 0.4295

Rectangle

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



68.7092, 0.2207, 0.3077



68.7092, 0.2224, 0.2491



68.7092, 0.4140, 0.3367



68.7092, 0.4088, 0.4046

Sweetspot

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



68.7089, 0.2207, 0.3078



86.3150, 0.2740, 0.3235



72.0727, 0.2984, 0.5820



18.1510, 0.2693, 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.



68.7089, 0.2207, 0.3078



66.8764, 0.2179, 0.3043



23.4167, 0.1802, 0.1585



20.2286, 0.2980, 0.3271



35.0448, 0.2180, 0.3048



3.4803, 0.2188, 0.3077

Inverse Universe

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



28.5617, 0.3383, 0.1688



27.2824, 0.3416, 0.1656



46.2089, 0.5008, 0.4290



18.2749, 0.3150, 0.3074



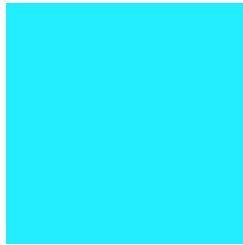
14.2658, 0.3412, 0.1654



1.3959, 0.3387, 0.1639

Previews

White Background



This preview shows how the Yxy color 68.7092, 0.2207, 0.3077 looks on a white background.

Color Contrast Check

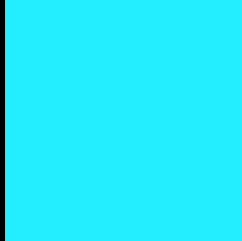
Large Text (above 18pt) WCAG AA × Fail

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 68.7092, 0.2207, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

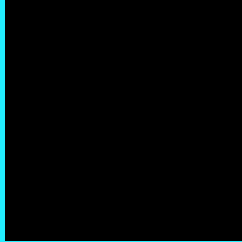
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7092, 0.2207, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 68.7092, 0.2207, 0.3077.

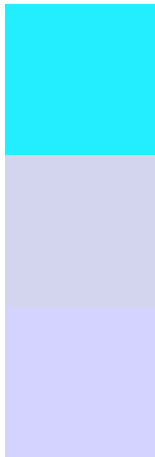


This preview shows how white text looks on a background with the Yxy color 68.7092, 0.2207, 0.3077.

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

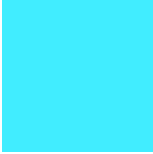
68.7092, 0.2207, 0.3077

Protanopia

67.6104, 0.2948, 0.3016

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

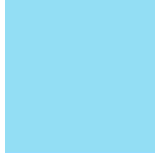
68.9122, 0.2248, 0.3067

Trichromacy



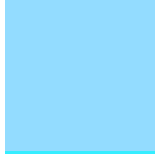
Original Color

68.7092, 0.2207, 0.3077



Protanomaly

64.9772, 0.2537, 0.3026



Deuteranomaly

64.6094, 0.2481, 0.2879



Tritanomaly

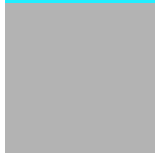
68.5726, 0.2229, 0.3066

Monochromacy



Original Color

68.7092, 0.2207, 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 68.7092, 0.2207, 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(34, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7092, 0.2207, 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(34, 238, 255) }
```

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

```
.border{ border-color:rgb(34, 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(34, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7092, 0.2207, 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(34, 238, 255) }
```

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

```
.background{ background-color: rgb(34, 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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