

Converting Colors

$Y_{xy}(68.5802, 0.2200, 0.3077)$

Have a look what the booklet for
Yxy(68.5802, 0.2200, 0.3077)
contains.

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Color

Yxy(68.5757, 0.2200, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	19EEFF
RGB	25, 238, 255
RGB Percent	10%, 93%, 100%
CMY	0.9007, 0.0667, 0.0000
CMYK	0.90, 0.07, 0.00, 0.00
HSL	184°, 100%, 55%
HSV	184°, 90%, 100%
XYZ	49.0304, 68.5757, 105.2594
YIQ	176.2510, -132.4050, -39.8690

Conversions

Conversions Part 2

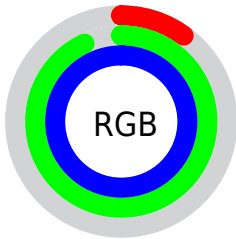
Format	Color
R _Y B	25, 136, 255
Decimal	1699583
CIE Lab	86.29, -39.92, -21.39
CIE LCh	86, 45.288, 208.182
Yxy	68.5757, 0.2200, 0.3077
Android (android.graphics.Color)	4279889663 (0xFF19EEFF)
YUV	176.2510, 38.8233, -132.6471
Hunter-Lab	82.8104, -39.2320, -17.3955

Details

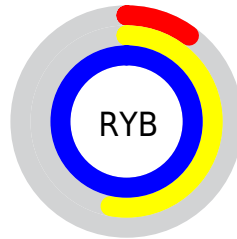
The Yxy color **68.5757, 0.2200, 0.3077** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0101, 0.6176, 0.3363**, and the grayscale version is **43.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.2819, 0.2181, 0.3052**, and if you desaturate by 10%, it is **70.1714, 0.2234, 0.3102**.

Distribution



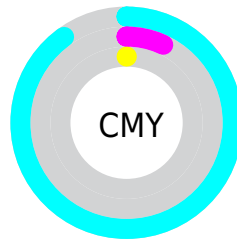
- Red (10%)
- Green (93%)
- Blue (100%)



- Red (10%)
- Yellow (53%)
- Blue (100%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5757, 0.2200, 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 68.5757, 0.2200, 0.3077 by changing the saturation by 10% instead.


 68.5757, 0.2200,
0.3077

 68.5757, 0.2200,
0.3077


455.5331, 0.2616,
0.3192


 50.3662, 0.2109,
0.3047


 117.1753, 0.2341,
0.3120

 35.7045, 0.1999,
0.3009


 148.3343, 0.2397,
0.3136

 24.2061, 0.1863,
0.2958


 184.5786, 0.2446,
0.3149

 15.4865, 0.1693,
0.2887

 226.2925, 0.2488,
0.3160

 9.1616, 0.1475,
0.2784

273.8605, 0.2526,
0.3170

 4.8467, 0.1189,
0.2626

327.6671, 0.2559,

 2.1576, 0.0811,

0.3178

388.0964, 0.2589,
0.3185

0.2364

■ 0.6967, 0.0000,
0.1929

■ 0.0000, 0.0000,
0.0000

■ 68.5757, 0.2200,
0.3077

■ 68.5757, 0.2200,
0.3077

■ 67.2819, 0.2181,
0.3052

■ 70.1714, 0.2234,
0.3102

■ 72.1384, 0.2287,
0.3128

■ 74.5310, 0.2359,
0.3154

■ 77.3931, 0.2451,
0.3179

■ 80.7625, 0.2560,
0.3204

■ 84.6736, 0.2685,
0.3227

■ 89.1574, 0.2823,
0.3250

■ 94.2426, 0.2971,
0.3271

■ 99.9561, 0.3126,
0.3290

Harmonies

Analogous

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



68.5757, 0.2498, 0.3637



68.5757, 0.2200, 0.3077



68.5757, 0.2132, 0.2651

Triad

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



68.5757, 0.2200, 0.3077



68.5757, 0.3202, 0.2621



68.5757, 0.3987, 0.4154

Complementary

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



68.5757, 0.2200, 0.3077



23.0101, 0.6176, 0.3363

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.



68.5757, 0.4227, 0.3797



68.5757, 0.2200, 0.3077



68.5757, 0.3759, 0.2950

Square

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



68.5757, 0.2200, 0.3077



68.5757, 0.2670, 0.2437



68.5757, 0.4148, 0.3365



68.5757, 0.3525, 0.4305

Rectangle

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



68.5757, 0.2200, 0.3077



68.5757, 0.2215, 0.2484



68.5757, 0.4148, 0.3365



68.5757, 0.4098, 0.4051

Sweetspot

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



68.5782, 0.2200, 0.3077



85.9890, 0.2727, 0.3234



71.8882, 0.2986, 0.5870



18.0930, 0.2681, 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.



68.5782, 0.2200, 0.3077



67.2819, 0.2181, 0.3052



22.0587, 0.1773, 0.1518



20.2376, 0.2980, 0.3272



35.2534, 0.2182, 0.3057



3.4984, 0.2190, 0.3085

Inverse Universe

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



28.1417, 0.3385, 0.1670



27.3233, 0.3408, 0.1651



44.9309, 0.5071, 0.4281



18.2758, 0.3149, 0.3073



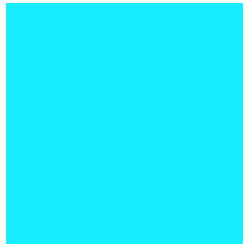
14.2868, 0.3405, 0.1649



1.3977, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 68.5757, 0.2200, 0.3077 looks on a white background.

Color Contrast Check

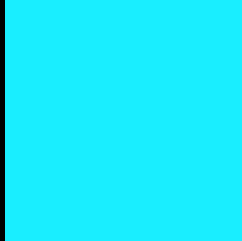
Large Text (above 18pt) WCAG AA × Fail

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 68.5757, 0.2200, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

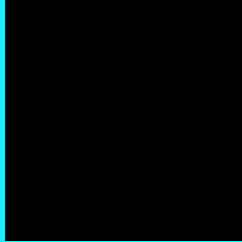
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5757, 0.2200, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 68.5757, 0.2200, 0.3077.

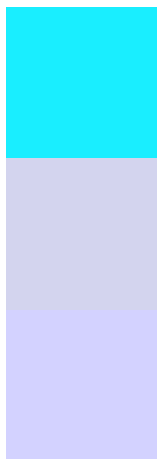


This preview shows how white text looks on a background with the Yxy color 68.5757, 0.2200, 0.3077.

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

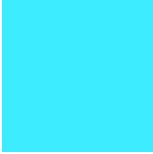
68.5757, 0.2200, 0.3077

Protanopia

67.1089, 0.2948, 0.3005

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

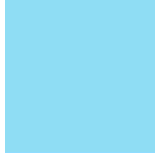
68.7805, 0.2241, 0.3067

Trichromacy



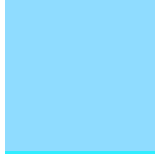
Original Color

68.5757, 0.2200, 0.3077



Protanomaly

64.0842, 0.2515, 0.3012



Deuteranomaly

64.2460, 0.2461, 0.2877



Tritanomaly

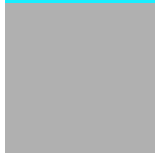
68.4168, 0.2220, 0.3066

Monochromacy



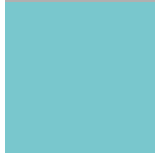
Original Color

68.5757, 0.2200, 0.3077



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.3196, 0.2556, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5757, 0.2200, 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(25, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 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(25, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5757, 0.2200, 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(25, 238, 255) }
```

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

```
.border{ border-color:rgb(25, 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(25, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5757, 0.2200, 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(25, 238, 255) }
```

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

```
.background{ background-color: rgb(25, 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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