

Converting Colors

$Yxy(68.8377, 0.2210, 0.3080)$

Have a look what the booklet for
Yxy(68.8377, 0.2210, 0.3080)
contains.

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Color

Yxy(68.7441, 0.2209, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	23EEFF
RGB	35, 238, 255
RGB Percent	14%, 93%, 100%
CMY	0.8608, 0.0666, 0.0001
CMYK	0.86, 0.07, 0.00, 0.00
HSL	185°, 100%, 57%
HSV	185°, 86%, 100%
XYZ	49.3358, 68.7441, 105.2602
YIQ	179.2410, -126.4450, -37.7490

Conversions

Conversions Part 2

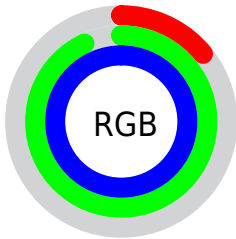
Format	Color
R_{YB}	35, 141, 255
Decimal	2354943
CIE _{Lab}	86.38, -39.45, -21.24
CIE _{LCh}	86, 44.805, 208.304
Yxy	68.7441, 0.2209, 0.3078
Android (android.graphics.Color)	4280545023 (0xFF23EEFF)
YUV	179.2410, 37.3492, -126.4994
Hunter-Lab	82.9121, -38.8818, -17.2326

Details

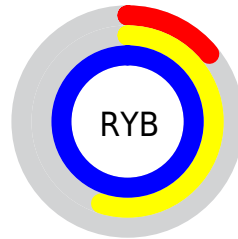
The Yxy color **68.7441, 0.2209, 0.3078** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8776, 0.6057, 0.3380**, and the grayscale version is **45.1507, 0.3127, 0.3290**.

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 **67.3039, 0.2185, 0.3052**, and if you desaturate by 10%, it is **70.5262, 0.2251, 0.3105**.

Distribution



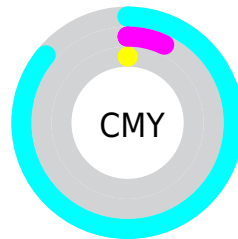
- Red (14%)
- Green (93%)
- Blue (100%)



- Red (14%)
- Yellow (55%)
- Blue (100%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7441, 0.2209, 0.3078 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 68.7441, 0.2209, 0.3078 by changing the saturation by 10% instead.


 68.7441, 0.2209,
0.3078


 68.7441, 0.2209,
0.3078


456.1279, 0.2621,
0.3192


 50.5033, 0.2119,
0.3049

 117.4160, 0.2349,
0.3120

 35.8135, 0.2010,
0.3010


 148.6159, 0.2404,
0.3136

 24.2902, 0.1875,
0.2960


 184.9043, 0.2452,
0.3149

 15.5490, 0.1706,
0.2890

 226.6657, 0.2494,
0.3160

 9.2056, 0.1490,
0.2788

274.2843, 0.2532,
0.3170

 4.8755, 0.1206,
0.2632

328.1446, 0.2565,

 2.1744, 0.0830,

0.3178

0.2373

388.6310, 0.2594,
0.3186

■ 0.7060, 0.0000,
0.1950

■ 0.0000, 0.0000,
0.0000

■ 68.7441, 0.2209,
0.3078

■ 68.7441, 0.2209,
0.3078

■ 67.3039, 0.2185,
0.3052

■ 70.5262, 0.2251,
0.3105

■ 66.7955, 0.2178,
0.3042


■ 72.7025, 0.2312,
0.3131

■ 75.3237, 0.2392,
0.3158

■ 78.4309, 0.2492,
0.3184

 82.0606, 0.2608,
0.3210

 86.2457, 0.2739,
0.3234

 91.0161, 0.2881,
0.3257

 96.3998, 0.3032,
0.3278

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



68.7441, 0.2504, 0.3631



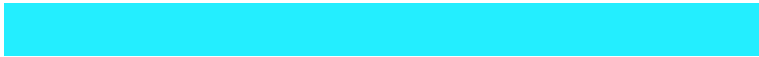
68.7441, 0.2209, 0.3078



68.7441, 0.2142, 0.2657

Triad

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



68.7441, 0.2209, 0.3078



68.7441, 0.3204, 0.2629



68.7441, 0.3977, 0.4147

Complementary

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



68.7441, 0.2209, 0.3078



23.8776, 0.6057, 0.3380

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.



68.7441, 0.4215, 0.3794



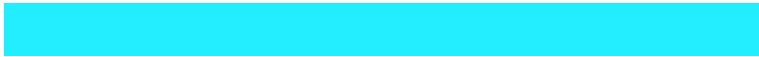
68.7441, 0.2209, 0.3078



68.7441, 0.3754, 0.2955

Square

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



68.7441, 0.2209, 0.3078



68.7441, 0.2677, 0.2446



68.7441, 0.4138, 0.3367



68.7441, 0.3519, 0.4293

Rectangle

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



68.7441, 0.2209, 0.3078



68.7441, 0.2226, 0.2492



68.7441, 0.4138, 0.3367



68.7441, 0.4087, 0.4045

Sweetspot

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



68.7466, 0.2209, 0.3078



86.2952, 0.2740, 0.3234



72.1061, 0.2984, 0.5808



18.1462, 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.



68.7466, 0.2209, 0.3078



66.8060, 0.2178, 0.3042



23.7115, 0.1809, 0.1599



20.2270, 0.2980, 0.3271



35.0085, 0.2180, 0.3046



3.4772, 0.2188, 0.3076

Inverse Universe

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



28.6622, 0.3382, 0.1692



27.2753, 0.3418, 0.1656



46.4775, 0.4994, 0.4291



18.2747, 0.3150, 0.3074



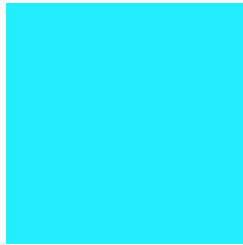
14.2621, 0.3414, 0.1654



1.3956, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 68.7441, 0.2209, 0.3078 looks on a white background.

Color Contrast Check

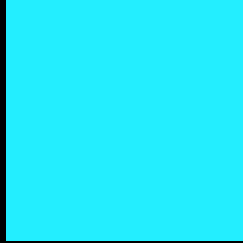
Large Text (above 18pt) WCAG AA × Fail

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 68.7441, 0.2209, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

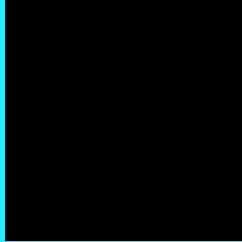
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7441, 0.2209, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 68.7441, 0.2209, 0.3078.

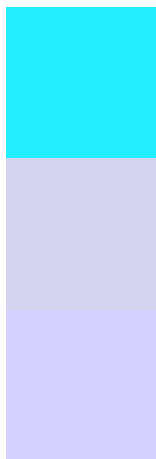


This preview shows how white text looks on a background with the Yxy color 68.7441, 0.2209, 0.3078.

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

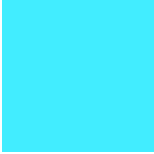
68.7264, 0.2208, 0.3078

Protanopia

67.6104, 0.2948, 0.3016

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

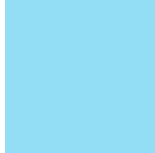
68.9466, 0.2250, 0.3067

Trichromacy



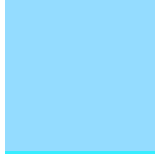
Original Color

68.7264, 0.2208, 0.3078



Protanomaly

64.9772, 0.2537, 0.3026



Deuteranomaly

64.7023, 0.2486, 0.2879



Tritanomaly

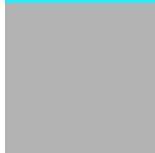
68.6006, 0.2231, 0.3066

Monochromacy



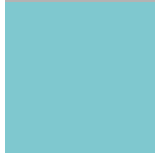
Original Color

68.7264, 0.2208, 0.3078



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.3256, 0.2581, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7441, 0.2209, 0.3078 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(35, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7441, 0.2209, 0.3078 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(35, 238, 255) }
```

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

```
.border{ border-color:rgb(35, 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(35, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(35, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7441, 0.2209, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 238, 255) }
```

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

```
.background{ background-color: rgb(35, 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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