

Converting Colors

$Yxy(68.3517, 0.2226, 0.3062)$

Have a look what the booklet for
Yxy(68.3517, 0.2226, 0.3062)
contains.

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Color

Yxy(68.5453, 0.2228, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	35EDFF
RGB	53, 237, 255
RGB Percent	21%, 93%, 100%
CMY	0.7912, 0.0706, 0.0000
CMYK	0.79, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 79%, 100%
XYZ	49.8105, 68.5453, 105.2101
YIQ	184.0360, -115.4420, -33.4100

Conversions

Conversions Part 2

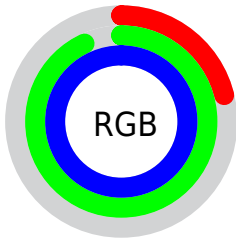
Format	Color
R _Y B	53, 149, 255
Decimal	3534335
CIE Lab	86.28, -37.74, -21.38
CIE LCh	86, 43.376, 209.537
Yxy	68.5453, 0.2228, 0.3066
Android (android.graphics.Color)	4281724415 (0xFF35EDFF)
YUV	184.0360, 34.9853, -114.9186
Hunter-Lab	82.7921, -37.4946, -17.3898

Details

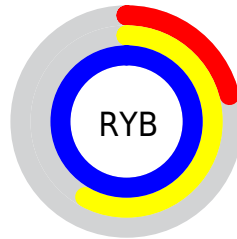
The Yxy color **68.5453, 0.2228, 0.3066** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.0559, 0.5786, 0.3414**, and the grayscale version is **47.8430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **66.7184, 0.2190, 0.3035**, and if you desaturate by 10%, it is **70.7615, 0.2285, 0.3097**.

Distribution



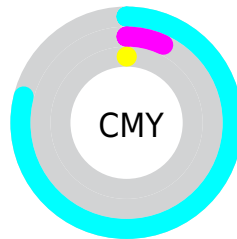
- Red (21%)
- Green (93%)
- Blue (100%)



- Red (21%)
- Yellow (58%)
- Blue (100%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (79%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5453, 0.2228, 0.3066 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 68.5453, 0.2228, 0.3066 by changing the saturation by 10% instead.


 68.5453, 0.2228,
0.3066


 68.5453, 0.2228,
0.3066


455.4256, 0.2632,
0.3185


 50.3415, 0.2139,
0.3036

 117.1319, 0.2365,
0.3110


 35.6848, 0.2032,
0.2996


 148.2835, 0.2420,
0.3126

 24.1909, 0.1900,
0.2944


 184.5198, 0.2467,
0.3140

 15.4753, 0.1733,
0.2873

 226.2251, 0.2508,
0.3152

 9.1536, 0.1519,
0.2770

273.7840, 0.2545,
0.3162

 4.8415, 0.1237,
0.2611

327.5808, 0.2577,

 2.1546, 0.0863,

0.3170

0.2350

387.9999, 0.2606,
0.3178

0.6951, 0.0000,
0.1928

0.0000, 0.0000,
0.0000

68.5453, 0.2228,
0.3066

68.5453, 0.2228,
0.3066

66.7184, 0.2190,
0.3035

70.7615, 0.2285,
0.3097

65.1970, 0.2169,
0.3005

73.4105, 0.2361,
0.3128

65.0700, 0.2167,
0.3002

76.5379, 0.2456,
0.3159

80.1814, 0.2569,
0.3189

■ 84.3748, 0.2697,
0.3217

■ 89.1490, 0.2837,
0.3244

■ 94.5326, 0.2986,
0.3269

■ 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



68.5453, 0.2507, 0.3598



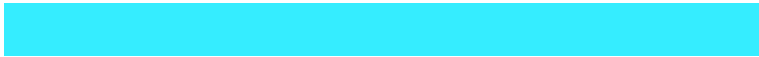
68.5453, 0.2228, 0.3066



68.5453, 0.2172, 0.2664

Triad

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



68.5453, 0.2228, 0.3066



68.5453, 0.3225, 0.2658



68.5453, 0.3938, 0.4133

Complementary

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



68.5453, 0.2228, 0.3066



26.0559, 0.5786, 0.3414

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.



68.5453, 0.4178, 0.3798



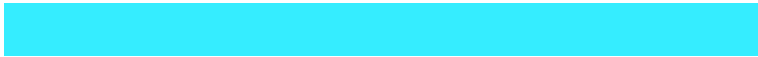
68.5453, 0.2228, 0.3066



68.5453, 0.3754, 0.2981

Square

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



68.5453, 0.2228, 0.3066



68.5453, 0.2709, 0.2473



68.5453, 0.4115, 0.3384



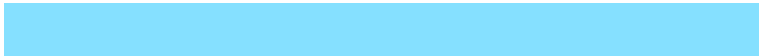
68.5453, 0.3488, 0.4260

Rectangle

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



68.5453, 0.2228, 0.3066



68.5453, 0.2259, 0.2509



68.5453, 0.4115, 0.3384



68.5453, 0.4047, 0.4038

Sweetspot

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



68.5478, 0.2228, 0.3066



86.7478, 0.2767, 0.3231



72.7249, 0.2975, 0.5642



18.2111, 0.2718, 0.3221



0.0000, 0.0000, 0.0000



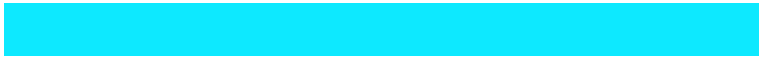
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5478, 0.2228, 0.3066



65.7983, 0.2176, 0.3017



25.9608, 0.1869, 0.1701



20.1878, 0.2980, 0.3268



34.1157, 0.2169, 0.3007



3.3996, 0.2178, 0.3042

Inverse Universe

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



29.9414, 0.3389, 0.1755



27.4466, 0.3438, 0.1681



50.6184, 0.4813, 0.4317



18.2708, 0.3152, 0.3076



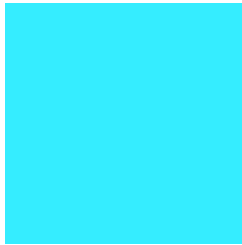
14.1720, 0.3448, 0.1673



1.3877, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 68.5453, 0.2228, 0.3066 looks on a white background.

Color Contrast Check

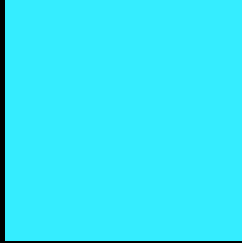
Large Text (above 18pt) WCAG AA × Fail

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 68.5453, 0.2228, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

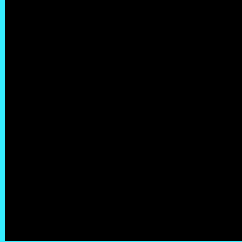
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5453, 0.2228, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 68.5453, 0.2228, 0.3066.

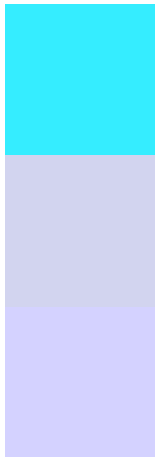


This preview shows how white text looks on a background with the Yxy color 68.5453, 0.2228, 0.3066.

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

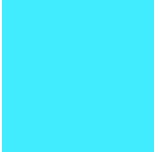
68.5453, 0.2228, 0.3066

Protanopia

67.0206, 0.2935, 0.2994

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

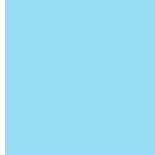
68.3692, 0.2247, 0.3055

Trichromacy



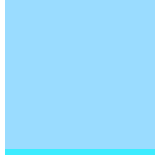
Original Color

68.5453, 0.2228, 0.3066



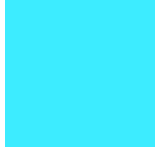
Protanomaly

65.0778, 0.2561, 0.3005



Deuteranomaly

65.2764, 0.2516, 0.2883



Tritanomaly

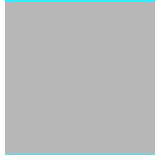
68.2030, 0.2238, 0.3054

Monochromacy



Original Color

68.5453, 0.2228, 0.3066



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.5993, 0.2621, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5453, 0.2228, 0.3066 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(53, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 237, 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(53, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5453, 0.2228, 0.3066 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(53, 237, 255) }
```

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

```
.border{ border-color:rgb(53, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5453, 0.2228, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 237, 255) }
```

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

```
.background{ background-color: rgb(53, 237,  
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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