

Converting Colors

$Y_{xy}(80.2731, 0.2365, 0.3355)$

Have a look what the booklet for
Yxy(80.2731, 0.2365, 0.3355)
contains.

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Color

Yxy(80.2444, 0.2366, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	54FFF9
RGB	84, 255, 249
RGB Percent	33%, 100%, 98%
CMY	0.6701, 0.0000, 0.0235
CMYK	0.67, 0.00, 0.02, 0.00
HSL	178°, 100%, 66%
HSV	178°, 67%, 100%
XYZ	56.5223, 80.2444, 102.1271
YIQ	203.1870, -99.9900, -38.1180

Conversions

Conversions Part 2

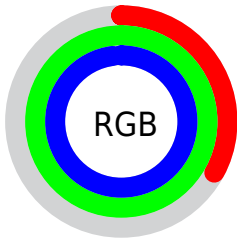
Format	Color
RYB	84, 171, 255
Decimal	5570553
CIELab	91.79, -44.17, -9.92
CIELCh	92, 45.266, 192.662
Yxy	80.2444, 0.2366, 0.3359
Android (android.graphics.Color)	4283760633 (0xFF54FFF9)
YUV	203.1870, 22.5858, -104.5270
Hunter-Lab	89.5792, -44.1346, -4.8896

Details

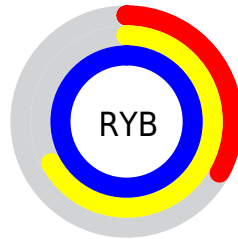
The Yxy color **80.2444, 0.2366, 0.3359** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.3604, 0.5296, 0.3246**, and the grayscale version is **59.7704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **44.2384, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **79.2194, 0.2319, 0.3371**, and if you desaturate by 10%, it is **81.7039, 0.2433, 0.3347**.

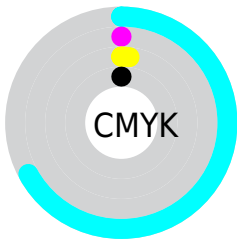
Distribution



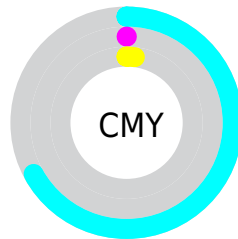
- Red (33%)
- Green (100%)
- Blue (98%)



- Red (33%)
- Yellow (67%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2444, 0.2366, 0.3359 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 80.2444, 0.2366, 0.3359 by changing the saturation by 10% instead.


 80.2444, 0.2366,
0.3359


 80.2444, 0.2366,
0.3359


495.7561, 0.2704,
0.3337


 59.9195, 0.2293,
0.3362


 133.7093, 0.2480,
0.3353


 43.3537, 0.2204,
0.3364


 167.6181, 0.2525,
0.3350

 30.1628, 0.2094,
0.3366


 206.8236, 0.2565,
0.3348

 19.9622, 0.1956,
0.3365

 251.7102, 0.2599,
0.3345

 12.3675, 0.1778,
0.3359

302.6624, 0.2630,
0.3343

 6.9945, 0.1540,
0.3342


360.0645, 0.2657,


 3.4587, 0.1213,


0.3341


424.3010, 0.2682,
0.3339


0.3296


 1.3756, 0.0390,
0.3297


 0.1987, 0.0000,
0.1792


 80.2444, 0.2366,
0.3359


 80.2444, 0.2366,
0.3359


 79.2194, 0.2319,
0.3371


 81.7039, 0.2433,
0.3347


 78.5709, 0.2291,
0.3382

 83.6305, 0.2519,
0.3336

 78.2394, 0.2279,
0.3394

 86.0640, 0.2623,
0.3325

 78.1737, 0.2277,
0.3397

 89.0375, 0.2744,
0.3315

■ 92.5812, 0.2877,
0.3305

■ 96.7232, 0.3022,
0.3296

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



80.2444, 0.2751, 0.3879



80.2444, 0.2366, 0.3359



80.2444, 0.2184, 0.2872

Triad

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



80.2444, 0.2366, 0.3359



80.2444, 0.2925, 0.2540



80.2444, 0.4097, 0.3956

Complementary

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



80.2444, 0.2366, 0.3359



28.3604, 0.5296, 0.3246

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.



80.2444, 0.4172, 0.3567



80.2444, 0.2366, 0.3359



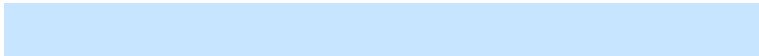
80.2444, 0.3462, 0.2790

Square

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



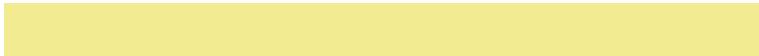
80.2444, 0.2366, 0.3359



80.2444, 0.2484, 0.2453



80.2444, 0.3935, 0.3153



80.2444, 0.3754, 0.4214

Rectangle

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



80.2444, 0.2366, 0.3359



80.2444, 0.2187, 0.2640



80.2444, 0.3935, 0.3153



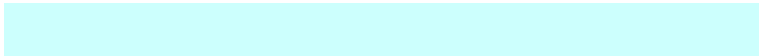
80.2444, 0.4156, 0.3835

Sweetspot

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



80.2474, 0.2366, 0.3359



91.4625, 0.2836, 0.3308



74.4696, 0.3057, 0.5440



19.3615, 0.2798, 0.3310



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.



80.2474, 0.2366, 0.3359



78.9909, 0.2308, 0.3374



40.9936, 0.2102, 0.2288



20.4698, 0.2985, 0.3298



40.8539, 0.2277, 0.3395



3.9811, 0.2273, 0.3382

Inverse Universe

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



28.3604, 0.5296, 0.3246



23.9348, 0.5877, 0.3257



47.3979, 0.4726, 0.4030



17.9974, 0.3289, 0.3282



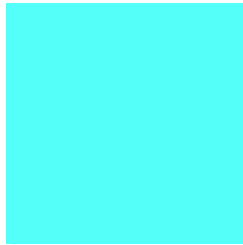
11.1235, 0.6365, 0.3280



1.0865, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 80.2444, 0.2366, 0.3359 looks on a white background.

Color Contrast Check

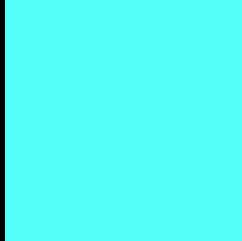
Large Text (above 18pt) WCAG AA × Fail

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 80.2444, 0.2366, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

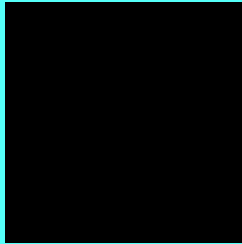
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2444, 0.2366, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 80.2444, 0.2366, 0.3359.

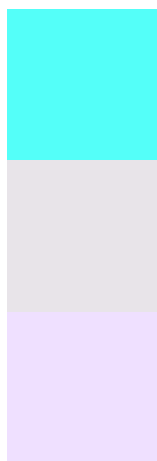


This preview shows how white text looks on a background with the Yxy color 80.2444, 0.2366, 0.3359.

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

80.2444, 0.2366, 0.3359

Protanopia

78.5258, 0.3123, 0.3238

Deuteranopia

78.8820, 0.3033, 0.2979



Tritanopia

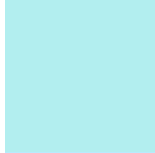
79.7562, 0.2630, 0.3156

Trichromacy



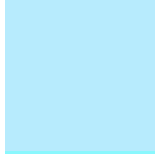
Original Color

80.2444, 0.2366, 0.3359



Protanomaly

76.8460, 0.2752, 0.3278



Deuteranomaly

76.5758, 0.2703, 0.3091



Tritanomaly

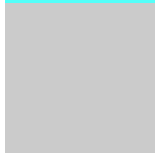
79.0167, 0.2505, 0.3220

Monochromacy



Original Color

80.2444, 0.2366, 0.3359



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.8834, 0.2734, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2444, 0.2366, 0.3359 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(84, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 249)  
}
```

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(84, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.2444, 0.2366, 0.3359 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(84, 255, 249) }
```

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

```
.border{ border-color:rgb(84, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2444, 0.2366, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 249) }
```

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

```
.background{ background-color: rgb(84, 255,  
249) }
```

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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