

Converting Colors

$Yxy(91.3337, 0.2404, 0.3542)$

Have a look what the booklet for
Yxy(91.3337, 0.2404, 0.3542)
contains.

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Color

Yxy(80.2160, 0.2357, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	52FFFA
RGB	82, 255, 250
RGB Percent	32%, 100%, 98%
CMY	0.6789, 0.0000, 0.0195
CMYK	0.68, 0.00, 0.02, 0.00
HSL	178°, 100%, 66%
HSV	178°, 68%, 100%
XYZ	56.4891, 80.2160, 102.9602
YIQ	202.7030, -101.5030, -38.2310

Conversions

Conversions Part 2

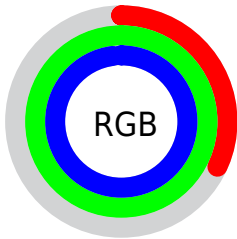
Format	Color
RYB	82, 170, 255
Decimal	5439482
CIELab	91.78, -44.19, -10.48
CIELCh	92, 45.417, 193.335
Yxy	80.2160, 0.2357, 0.3347
Android (android.graphics.Color)	4283629562 (0xFF52FFFA)
YUV	202.7030, 23.3174, -105.8565
Hunter-Lab	89.5634, -44.1530, -5.4642

Details

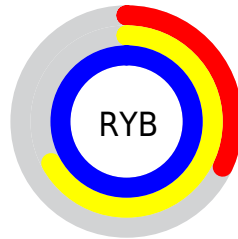
The Yxy color **80.2160, 0.2357, 0.3347** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.9642, 0.5351, 0.3256**, and the grayscale version is **59.4031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **44.2832, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **79.2292, 0.2311, 0.3356**, and if you desaturate by 10%, it is **81.6194, 0.2423, 0.3337**.

Distribution



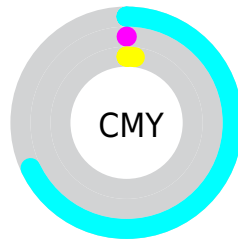
- Red (32%)
- Green (100%)
- Blue (98%)



- Red (32%)
- Yellow (67%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2160, 0.2357, 0.3347 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 80.2160, 0.2357, 0.3347 by changing the saturation by 10% instead.


 80.2160, 0.2357,
0.3347

 80.2160, 0.2357,
0.3347


495.6605, 0.2698,
0.3331

 59.8961, 0.2283,
0.3349


 133.6694, 0.2472,
0.3343

 43.3349, 0.2193,
0.3349


 167.5717, 0.2518,
0.3341

 30.1480, 0.2083,
0.3349


 206.7702, 0.2558,
0.3339

 19.9509, 0.1944,
0.3345

 251.6494, 0.2593,
0.3337

 12.3594, 0.1764,
0.3335

302.5936, 0.2624,
0.3335

 6.9889, 0.1525,
0.3312


359.9873, 0.2651,


 3.4552, 0.1197,


0.3334


424.2147, 0.2676,
0.3332


0.3256


 1.3737, 0.0379,
0.3238


 0.1972, 0.0000,
0.1724


 80.2160, 0.2357,
0.3347


 80.2160, 0.2357,
0.3347


 79.2292, 0.2311,
0.3356


 81.6194, 0.2423,
0.3337

 78.6210, 0.2284,
0.3366

 83.4933, 0.2508,
0.3328

 78.3205, 0.2273,
0.3375

 85.8710, 0.2611,
0.3319

 78.2761, 0.2271,
0.3377

 88.7857, 0.2730,
0.3311

 92.2681, 0.2864,
0.3303

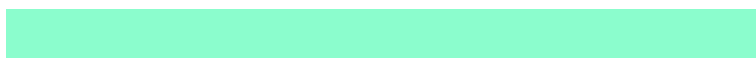
 96.3464, 0.3008,
0.3295

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.



80.2160, 0.2739, 0.3871



80.2160, 0.2357, 0.3347



80.2160, 0.2179, 0.2861

Triad

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



80.2160, 0.2357, 0.3347



80.2160, 0.2936, 0.2542



80.2160, 0.4095, 0.3965

Complementary

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



80.2160, 0.2357, 0.3347



27.9642, 0.5351, 0.3256

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.



80.2160, 0.4178, 0.3577



80.2160, 0.2357, 0.3347



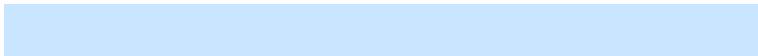
80.2160, 0.3475, 0.2795

Square

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



80.2160, 0.2357, 0.3347



80.2160, 0.2490, 0.2450



80.2160, 0.3946, 0.3161



80.2160, 0.3746, 0.4220

Rectangle

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



80.2160, 0.2357, 0.3347



80.2160, 0.2186, 0.2631



80.2160, 0.3946, 0.3161



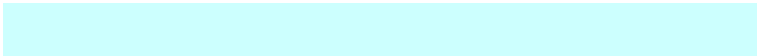
80.2160, 0.4157, 0.3845

Sweetspot

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



80.2121, 0.2357, 0.3347



91.4832, 0.2835, 0.3304



74.1858, 0.3044, 0.5472



19.3665, 0.2797, 0.3307



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.



80.2121, 0.2357, 0.3347



79.0023, 0.2301, 0.3359



39.3645, 0.2081, 0.2232



20.4719, 0.2984, 0.3297



40.9050, 0.2271, 0.3375



3.9855, 0.2268, 0.3365

Inverse Universe

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



27.9642, 0.5351, 0.3256



23.6810, 0.5928, 0.3266



47.9467, 0.4728, 0.4063



17.9955, 0.3290, 0.3284



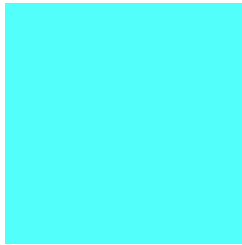
11.1209, 0.6372, 0.3284



1.0856, 0.6303, 0.3246

Previews

White Background



This preview shows how the Yxy color 80.2160, 0.2357, 0.3347 looks on a white background.

Color Contrast Check

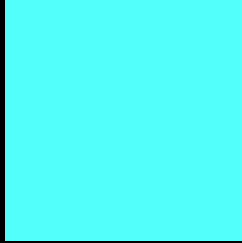
Large Text (above 18pt) WCAG AA × Fail

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 80.2160, 0.2357, 0.3347 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 80.2160, 0.2357, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 80.2160, 0.2357, 0.3347.

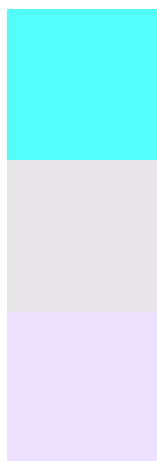


This preview shows how white text looks on a background with the Yxy color 80.2160, 0.2357, 0.3347.

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

80.2160, 0.2357, 0.3347

Protanopia

78.5831, 0.3116, 0.3228

Deuteranopia

78.7085, 0.3026, 0.2978



Tritanopia

79.6460, 0.2625, 0.3156

Trichromacy



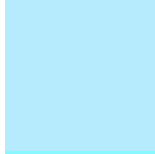
Original Color

80.2160, 0.2357, 0.3347



Protanomaly

76.7875, 0.2741, 0.3266



Deuteranomaly

76.3323, 0.2692, 0.3091



Tritanomaly

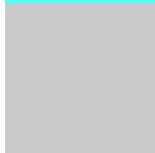
78.9317, 0.2501, 0.3219

Monochromacy



Original Color

80.2160, 0.2357, 0.3347



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.7808, 0.2728, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2160, 0.2357, 0.3347 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(82, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 250)  
}
```

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(82, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 80.2160, 0.2357, 0.3347 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(82, 255, 250) }
```

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

```
.border{ border-color:rgb(82, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2160, 0.2357, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 250) }
```

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

```
.background{ background-color: rgb(82, 255,  
250) }
```

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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