

Converting Colors

$Yxy(80.2649, 0.2407, 0.3428)$

Have a look what the booklet for
Yxy(80.2649, 0.2407, 0.3428)
contains.

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Color

Yxy(80.2664, 0.2409, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	5CFFF3
RGB	92, 255, 243
RGB Percent	36%, 100%, 95%
CMY	0.6389, 0.0000, 0.0470
CMYK	0.64, 0.00, 0.05, 0.00
HSL	176°, 100%, 68%
HSV	176°, 64%, 100%
XYZ	56.3573, 80.2664, 97.3210
YIQ	204.8950, -93.2960, -38.2880

Conversions

Conversions Part 2

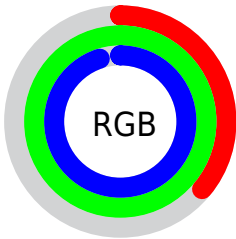
Format	Color
R_{YB}	92, 177, 255
Decimal	6094835
CIE _{Lab}	91.80, -44.62, -6.78
CIE _{LCh}	92, 45.131, 188.647
Yxy	80.2664, 0.2409, 0.3431
Android (android.graphics.Color)	4284284915 (0xFF5CFFF3)
YUV	204.8950, 18.7858, -99.0089
Hunter-Lab	89.5915, -44.5003, -1.6911

Details

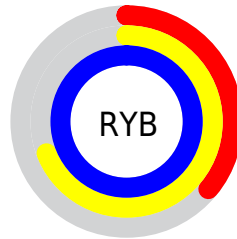
The Yxy color **80.2664, 0.2409, 0.3431** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **29.9286, 0.5067, 0.3188**, and the grayscale version is **60.9181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **43.9760, 0.2294, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **79.0557, 0.2358, 0.3456**, and if you desaturate by 10%, it is **81.9262, 0.2479, 0.3406**.

Distribution



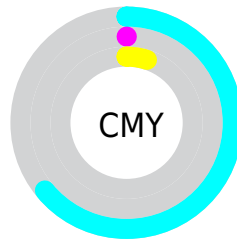
- Red (36%)
- Green (100%)
- Blue (95%)



- Red (36%)
- Yellow (69%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (64%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2664, 0.2409, 0.3431 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 80.2664, 0.2409, 0.3431 by changing the saturation by 10% instead.


 80.2664, 0.2409,
0.3431

 80.2664, 0.2409,
0.3431


495.8302, 0.2729,
0.3374


 59.9376, 0.2339,
0.3442


 133.7402, 0.2518,
0.3413

 43.3683, 0.2254,
0.3455


 167.6540, 0.2561,
0.3405

 30.1742, 0.2149,
0.3470


 206.8649, 0.2598,
0.3398

 19.9709, 0.2016,
0.3487

251.7574, 0.2631,
0.3392

 12.3739, 0.1843,
0.3506

302.7157, 0.2659,
0.3387

 6.9988, 0.1611,
0.3524


360.1244, 0.2685,


 3.4614, 0.1286,


0.3382


424.3677, 0.2708,
0.3378


0.3534


 1.3771, 0.0407,
0.3662


 0.1997, 0.0000,
0.2240


 80.2664, 0.2409,
0.3431


 80.2664, 0.2409,
0.3431


 79.0557, 0.2358,
0.3456


 81.9262, 0.2479,
0.3406


 78.2386, 0.2327,
0.3481

 84.0659, 0.2569,
0.3382

 77.7615, 0.2313,
0.3506

 86.7240, 0.2675,
0.3358

 77.5881, 0.2312,
0.3521

 89.9327, 0.2796,
0.3336

■ 93.7216, 0.2929,
0.3316

■ 98.1180, 0.3070,
0.3297

■ 99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



80.2664, 0.2816, 0.3937



80.2664, 0.2409, 0.3431



80.2664, 0.2198, 0.2930

Triad

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



80.2664, 0.2409, 0.3431



80.2664, 0.2859, 0.2521



80.2664, 0.4122, 0.3907

Complementary

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



80.2664, 0.2409, 0.3431



29.9286, 0.5067, 0.3188

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.



80.2664, 0.4155, 0.3511



80.2664, 0.2409, 0.3431



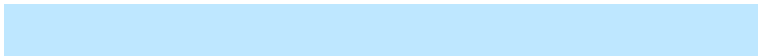
80.2664, 0.3389, 0.2750

Square

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



80.2664, 0.2409, 0.3431



80.2664, 0.2440, 0.2458



80.2664, 0.3880, 0.3101



80.2664, 0.3809, 0.4189

Rectangle

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



80.2664, 0.2409, 0.3431



80.2664, 0.2181, 0.2681



80.2664, 0.3880, 0.3101



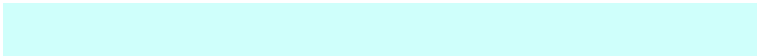
80.2664, 0.4167, 0.3782

Sweetspot

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



80.2695, 0.2409, 0.3431



91.7131, 0.2860, 0.3326



75.3358, 0.3085, 0.5331



19.4041, 0.2822, 0.3332



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.



80.2695, 0.2409, 0.3431



78.7631, 0.2346, 0.3464



45.0888, 0.2159, 0.2417



20.4570, 0.2990, 0.3307



40.5520, 0.2310, 0.3517



3.9550, 0.2302, 0.3489

Inverse Universe

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



29.9286, 0.5067, 0.3188



24.8344, 0.5667, 0.3199



47.1622, 0.4676, 0.3956



18.0088, 0.3283, 0.3273



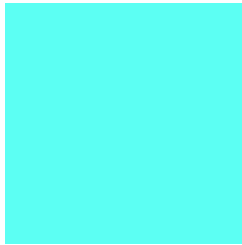
11.1407, 0.6325, 0.3258



1.0919, 0.6157, 0.3166

Previews

White Background



This preview shows how the Yxy color 80.2664, 0.2409, 0.3431 looks on a white background.

Color Contrast Check

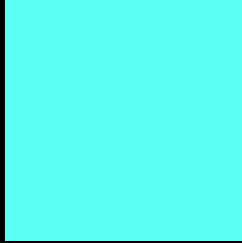
Large Text (above 18pt) WCAG AA × Fail

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 80.2664, 0.2409, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

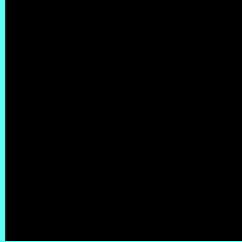
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2664, 0.2409, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 80.2664, 0.2409, 0.3431.

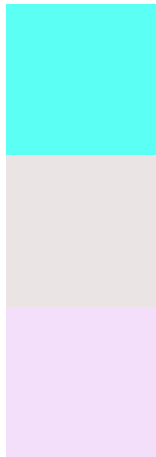


This preview shows how white text looks on a background with the Yxy color 80.2664, 0.2409, 0.3431.

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

80.2664, 0.2409, 0.3431

Protanopia

79.1325, 0.3168, 0.3301

Deuteranopia

78.7322, 0.3092, 0.3020



Tritanopia

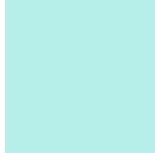
79.2703, 0.2633, 0.3145

Trichromacy



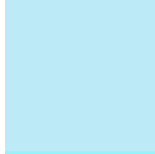
Original Color

80.2664, 0.2409, 0.3431



Protanomaly

76.9773, 0.2806, 0.3345



Deuteranomaly

76.8234, 0.2763, 0.3157



Tritanomaly

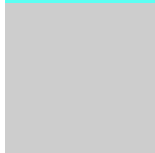
79.2373, 0.2530, 0.3243

Monochromacy



Original Color

80.2664, 0.2409, 0.3431



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.7823, 0.2764, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2664, 0.2409, 0.3431 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(92, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 243)  
}
```

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(92, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.2664, 0.2409, 0.3431 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(92, 255, 243) }
```

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

```
.border{ border-color:rgb(92, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2664, 0.2409, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 243) }
```

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

```
.background{ background-color: rgb(92, 255,  
243) }
```

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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