

Converting Colors

$Yxy(94.9163, 0.2461, 0.3678)$

Have a look what the booklet for
Yxy(94.9163, 0.2461, 0.3678)
contains.

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Color

Yxy(80.1647, 0.2404, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	5AFFF3
RGB	90, 255, 243
RGB Percent	35%, 100%, 95%
CMY	0.6463, 0.0000, 0.0470
CMYK	0.65, 0.00, 0.05, 0.00
HSL	176°, 100%, 68%
HSV	176°, 65%, 100%
XYZ	56.1690, 80.1647, 97.3145
YIQ	204.2970, -94.4880, -38.7120

Conversions

Conversions Part 2

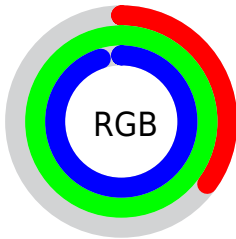
Format	Color
R_{YB}	90, 176, 255
Decimal	5963763
CIE _{Lab}	91.76, -44.89, -6.86
CIE _{LCh}	92, 45.410, 188.688
Yxy	80.1647, 0.2404, 0.3431
Android (android.graphics.Color)	4284153843 (0xFF5AFF3)
YUV	204.2970, 19.0806, -100.2385
Hunter-Lab	89.5347, -44.7050, -1.7674

Details

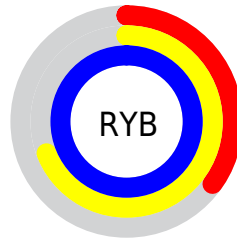
The Yxy color **80.1647, 0.2404, 0.3431** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **29.5665, 0.5104, 0.3189**, and the grayscale version is **60.5383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **43.9760, 0.2294, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **78.9863, 0.2355, 0.3456**, and if you desaturate by 10%, it is **81.7890, 0.2473, 0.3406**.

Distribution



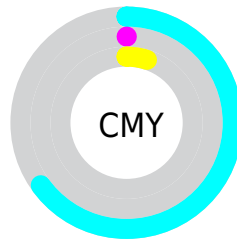
- Red (35%)
- Green (100%)
- Blue (95%)



- Red (35%)
- Yellow (69%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1647, 0.2404, 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 80.1647, 0.2404, 0.3431 by changing the saturation by 10% instead.

 80.1647, 0.2404,
0.3431

 80.1647, 0.2404,
0.3431


495.4877, 0.2726,
0.3374

 59.8539, 0.2333,
0.3442


 133.5973, 0.2513,
0.3413

 43.3009, 0.2248,
0.3455

 167.4878, 0.2557,
0.3405

 30.1213, 0.2142,
0.3470


 206.6737, 0.2594,
0.3398

 19.9306, 0.2009,
0.3486

251.5394, 0.2627,
0.3392

 12.3446, 0.1835,
0.3505

302.4693, 0.2656,
0.3387

 6.9788, 0.1601,
0.3523

359.8477, 0.2682,

 3.4489, 0.1275,

0.3382

424.0590, 0.2705,
0.3378

0.3532

1.3703, 0.0378,
0.3662

0.1947, 0.0000,
0.2197

80.1647, 0.2404,
0.3431

80.1647, 0.2404,
0.3431

78.9863, 0.2355,
0.3456

81.7890, 0.2473,
0.3406

78.1977, 0.2325,
0.3481

83.8903, 0.2561,
0.3382

77.7442, 0.2312,
0.3505

86.5075, 0.2666,
0.3359

77.5950, 0.2311,
0.3518

89.6730, 0.2786,
0.3337

 93.4164, 0.2918,
0.3317

 97.7653, 0.3060,
0.3298

99.9924, 0.3127,
0.3290

Harmonies

Analogous

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



80.1647, 0.2813, 0.3941



80.1647, 0.2404, 0.3431



80.1647, 0.2192, 0.2926

Triad

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



80.1647, 0.2404, 0.3431



80.1647, 0.2858, 0.2516



80.1647, 0.4128, 0.3911

Complementary

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



80.1647, 0.2404, 0.3431



29.5665, 0.5104, 0.3189

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.



80.1647, 0.4162, 0.3512



80.1647, 0.2404, 0.3431



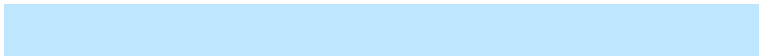
80.1647, 0.3392, 0.2747

Square

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



80.1647, 0.2404, 0.3431



80.1647, 0.2436, 0.2453



80.1647, 0.3886, 0.3100



80.1647, 0.3813, 0.4195

Rectangle

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



80.1647, 0.2404, 0.3431



80.1647, 0.2176, 0.2677



80.1647, 0.3886, 0.3100



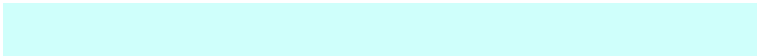
80.1647, 0.4174, 0.3785

Sweetspot

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



80.1678, 0.2404, 0.3431



91.7159, 0.2859, 0.3326



75.1929, 0.3084, 0.5354



19.4047, 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.



80.1678, 0.2404, 0.3431



78.6873, 0.2342, 0.3464



44.6582, 0.2149, 0.2405



20.4573, 0.2990, 0.3307



40.5590, 0.2310, 0.3514



3.9556, 0.2302, 0.3486

Inverse Universe

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



29.5665, 0.5104, 0.3189



24.5473, 0.5712, 0.3203



46.7478, 0.4699, 0.3961



18.0085, 0.3283, 0.3273



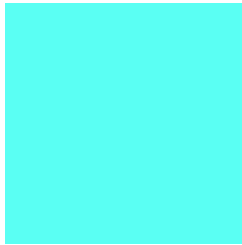
11.1402, 0.6326, 0.3258



1.0918, 0.6160, 0.3167

Previews

White Background



This preview shows how the Yxy color 80.1647, 0.2404, 0.3431 looks on a white background.

Color Contrast Check

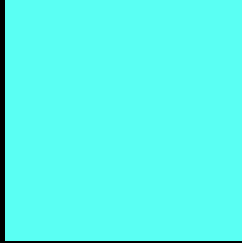
Large Text (above 18pt) WCAG AA × Fail

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 80.1647, 0.2404, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

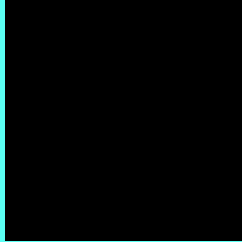
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1647, 0.2404, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 80.1647, 0.2404, 0.3431.

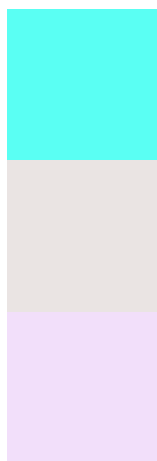


This preview shows how white text looks on a background with the Yxy color 80.1647, 0.2404, 0.3431.

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

80.1647, 0.2404, 0.3431

Protanopia

78.5253, 0.3175, 0.3301

Deuteranopia

78.5547, 0.3085, 0.3019



Tritanopia

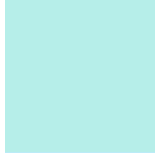
79.1593, 0.2628, 0.3145

Trichromacy



Original Color

80.1647, 0.2404, 0.3431



Protanomaly

76.9773, 0.2806, 0.3345



Deuteranomaly

76.6969, 0.2757, 0.3157



Tritanomaly

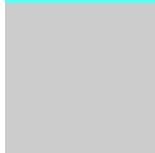
79.0620, 0.2522, 0.3242

Monochromacy



Original Color

80.1647, 0.2404, 0.3431



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.6238, 0.2764, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1647, 0.2404, 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(90, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(90, 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(90, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.1647, 0.2404, 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(90, 255, 243) }
```

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

```
.border{ border-color:rgb(90, 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(90, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1647, 0.2404, 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(90, 255, 243) }
```

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

```
.background{ background-color: rgb(90, 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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