

Converting Colors

$Yxy(81.1569, 0.2412, 0.3358)$

Have a look what the booklet for
Yxy(81.1569, 0.2412, 0.3358)
contains.

Yxy(81.1843, 0.2413, 0.3358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.1843, 0.2413, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	66FFF9
RGB	102, 255, 249
RGB Percent	40%, 100%, 98%
CMY	0.6002, 0.0000, 0.0234
CMYK	0.60, 0.00, 0.02, 0.00
HSL	178°, 100%, 70%
HSV	178°, 60%, 100%
XYZ	58.3376, 81.1843, 102.2419
YIQ	208.5690, -89.2620, -34.3020

Conversions

Conversions Part 2

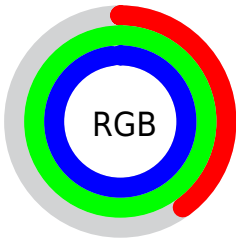
Format	Color
RYB	102, 180, 255
Decimal	6750201
CIELab	92.21, -41.52, -9.27
CIELCh	92, 42.541, 192.590
Yxy	81.1843, 0.2413, 0.3358
Android (android.graphics.Color)	4284940281 (0xFF66FFF9)
YUV	208.5690, 19.9325, -93.4610
Hunter-Lab	90.1023, -42.1075, -4.2066

Details

The Yxy color **81.1843, 0.2413, 0.3358** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8351, 0.4955, 0.3240**, and the grayscale version is **63.3693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.2384, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **79.8548, 0.2352, 0.3371**, and if you desaturate by 10%, it is **82.9708, 0.2493, 0.3345**.

Distribution



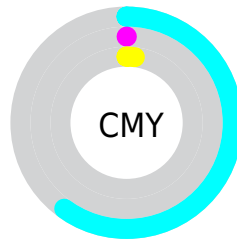
- Red (40%)
- Green (100%)
- Blue (98%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1843, 0.2413, 0.3358 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 81.1843, 0.2413, 0.3358 by changing the saturation by 10% instead.

 81.1843, 0.2413,
0.3358


 81.1843, 0.2413,
0.3358


498.9151, 0.2730,
0.3335


 60.6934, 0.2344,
0.3361


 135.0295, 0.2520,
0.3352

 43.9778, 0.2260,
0.3364


 169.1526, 0.2563,
0.3349

 30.6530, 0.2157,
0.3367


 208.5886, 0.2600,
0.3346

 20.3348, 0.2027,
0.3368

253.7218, 0.2632,
0.3343

 12.6386, 0.1859,
0.3365

304.9367, 0.2661,
0.3341

 7.1802, 0.1633,
0.3353


362.6176, 0.2686,


 3.5750, 0.1319,


0.3339


427.1489, 0.2709,
0.3337

0.3318


 1.4388, 0.0624,
0.3304


 0.2451, 0.0000,
0.2112


 81.1843, 0.2413,
0.3358


 81.1843, 0.2413,
0.3358


 79.8548, 0.2352,
0.3371


 82.9708, 0.2493,
0.3345


 78.9406, 0.2311,
0.3384


 85.2543, 0.2592,
0.3333

 78.3892, 0.2289,
0.3397

 88.0681, 0.2707,
0.3321

 78.1159, 0.2280,
0.3409

 91.4435, 0.2837,
0.3310

 95.4090, 0.2978,
0.3299

99.9914, 0.3127,
0.3290

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.



81.1843, 0.2777, 0.3840



81.1843, 0.2413, 0.3358



81.1843, 0.2239, 0.2902

Triad

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



81.1843, 0.2413, 0.3358



81.1843, 0.2938, 0.2583



81.1843, 0.4038, 0.3919

Complementary

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



81.1843, 0.2413, 0.3358



31.8351, 0.4955, 0.3240

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.



81.1843, 0.4105, 0.3554



81.1843, 0.2413, 0.3358



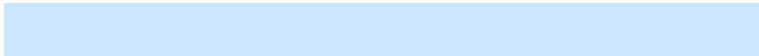
81.1843, 0.3441, 0.2818

Square

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



81.1843, 0.2413, 0.3358



81.1843, 0.2522, 0.2501



81.1843, 0.3882, 0.3163



81.1843, 0.3719, 0.4155

Rectangle

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



81.1843, 0.2413, 0.3358



81.1843, 0.2241, 0.2682



81.1843, 0.3882, 0.3163



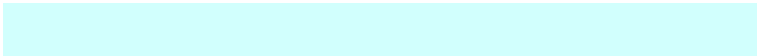
81.1843, 0.4092, 0.3806

Sweetspot

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



81.1837, 0.2413, 0.3358



92.1951, 0.2865, 0.3308



75.7683, 0.3069, 0.5220



19.5032, 0.2825, 0.3311



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.



81.1837, 0.2413, 0.3358



79.6421, 0.2343, 0.3373



45.2147, 0.2193, 0.2412



20.4685, 0.2985, 0.3299



40.8227, 0.2280, 0.3407



3.9784, 0.2276, 0.3393

Inverse Universe

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



31.8351, 0.4955, 0.3240



26.3757, 0.5523, 0.3243



51.2783, 0.4515, 0.3980



17.9985, 0.3288, 0.3281



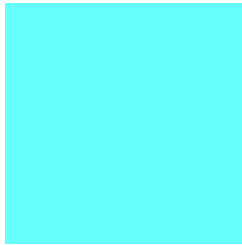
11.1252, 0.6361, 0.3278



1.0871, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 81.1843, 0.2413, 0.3358 looks on a white background.

Color Contrast Check

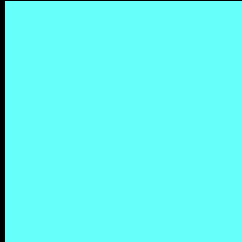
Large Text (above 18pt) WCAG AA × Fail

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 81.1843, 0.2413, 0.3358 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 81.1843, 0.2413, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 81.1843, 0.2413, 0.3358.

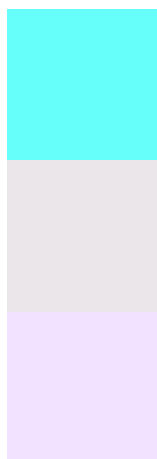


This preview shows how white text looks on a background with the Yxy color 81.1843, 0.2413, 0.3358.

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

81.1843, 0.2413, 0.3358

Protanopia

80.0266, 0.3129, 0.3249

Deuteranopia

79.9477, 0.3053, 0.2991



Tritanopia

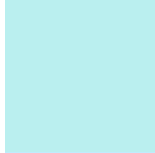
80.5513, 0.2666, 0.3157

Trichromacy



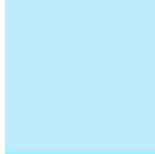
Original Color

81.1843, 0.2413, 0.3358



Protanomaly

78.4041, 0.2798, 0.3289



Deuteranomaly

78.1591, 0.2749, 0.3105



Tritanomaly

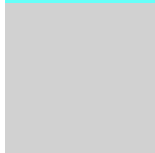
80.0029, 0.2552, 0.3221

Monochromacy



Original Color

81.1843, 0.2413, 0.3358



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3206, 0.2775, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1843, 0.2413, 0.3358 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(102, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 81.1843, 0.2413, 0.3358 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(102, 255, 249) }
```

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

```
.border{ border-color:rgb(102, 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(102, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1843, 0.2413, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 249) }
```

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

```
.background{ background-color: rgb(102,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor