

Converting Colors

$Y_{xy}(76.1910, 0.2566, 0.3422)$

Have a look what the booklet for
Yxy(76.1910, 0.2566, 0.3422)
contains.

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Color

Yxy(76.2319, 0.2565, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	85F5EA
RGB	133, 245, 234
RGB Percent	52%, 96%, 92%
CMY	0.4779, 0.0393, 0.0823
CMYK	0.46, 0.00, 0.04, 0.04
HSL	174°, 85%, 74%
HSV	174°, 46%, 96%
XYZ	57.1906, 76.2319, 89.5429
YIQ	210.2580, -63.2210, -27.1650

Conversions

Conversions Part 2

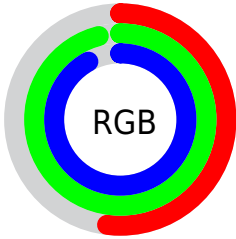
Format	Color
RYB	133, 192, 245
Decimal	8779242
CIELab	89.97, -34.64, -4.68
CIElCh	90, 34.952, 187.690
Yxy	76.2319, 0.2565, 0.3419
Android (android.graphics.Color)	4286969322 (0xFF85F5EA)
YUV	210.2580, 11.7048, -67.7553
Hunter-Lab	87.3109, -35.8724, 0.3119

Details

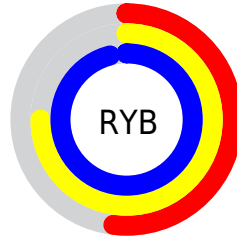
The Yxy color **76.2319, 0.2565, 0.3419** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2361, 0.4242, 0.3174**, and the grayscale version is **64.6002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **40.5585, 0.2438, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **74.3284, 0.2481, 0.3452**, and if you desaturate by 10%, it is **78.6084, 0.2666, 0.3387**.

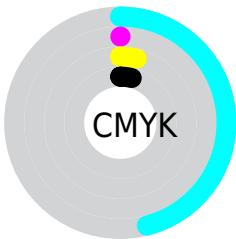
Distribution



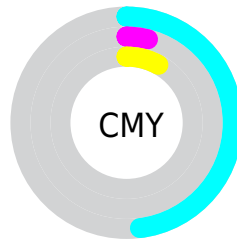
- Red (52%)
- Green (96%)
- Blue (92%)



- Red (52%)
- Yellow (75%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (48%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2319, 0.2565, 0.3419 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 76.2319, 0.2565, 0.3419 by changing the saturation by 10% instead.


 76.2319, 0.2565,
0.3419


 76.2319, 0.2565,
0.3419

482.1412, 0.2820,
0.3364

 56.6227, 0.2508,
0.3431


 128.0547, 0.2652,
0.3401

 40.7024, 0.2439,
0.3444


 161.0370, 0.2686,
0.3393

 28.0866, 0.2352,
0.3461


 199.2458, 0.2716,
0.3387

 18.3910, 0.2241,
0.3481

243.0655, 0.2742,
0.3381

 11.2310, 0.2093,
0.3506

292.8805, 0.2765,
0.3376

 6.2225, 0.1889,
0.3537


349.0752, 0.2785,


 2.9808, 0.1590,


0.3371


412.0339, 0.2803,
0.3367


0.3572

 1.1217, 0.0684,
0.3776


 0.0000, 0.0000,
0.0000


 76.2319, 0.2565,
0.3419


 76.2319, 0.2565,
0.3419


 74.3284, 0.2481,
0.3452

 78.6084, 0.2666,
0.3387


 72.8561, 0.2415,
0.3486


 81.4785, 0.2782,
0.3357


 71.7809, 0.2370,
0.3520


 84.8723, 0.2910,
0.3329


 71.0597, 0.2343,
0.3554


 88.8152, 0.3047,
0.3304

 70.6388, 0.2334,
0.3587

 93.2134, 0.3186,
0.3280

 70.5144, 0.2334,
0.3602

 93.3621, 0.3171,
0.3257

 93.5128, 0.3157,
0.3234

 93.6654, 0.3142,
0.3211

 93.7776, 0.3132,
0.3194

Harmonies

Analogous

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



76.2319, 0.2898, 0.3801



76.2319, 0.2565, 0.3419



76.2319, 0.2384, 0.3025

Triad

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



76.2319, 0.2565, 0.3419



76.2319, 0.2906, 0.2665



76.2319, 0.3919, 0.3784

Complementary

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



76.2319, 0.2565, 0.3419



38.2361, 0.4242, 0.3174

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.



76.2319, 0.3932, 0.3468



76.2319, 0.2565, 0.3419



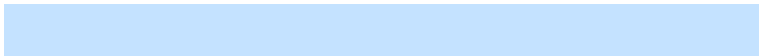
76.2319, 0.3324, 0.2848

Square

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



76.2319, 0.2565, 0.3419



76.2319, 0.2570, 0.2623



76.2319, 0.3709, 0.3134



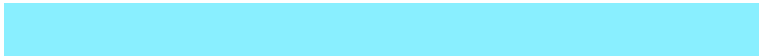
76.2319, 0.3685, 0.3998

Rectangle

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



76.2319, 0.2565, 0.3419



76.2319, 0.2365, 0.2820



76.2319, 0.3709, 0.3134



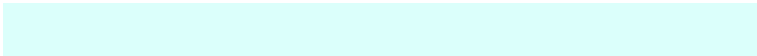
76.2319, 0.3950, 0.3685

Sweetspot

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



76.2349, 0.2565, 0.3419



93.6229, 0.2932, 0.3325



72.9517, 0.3122, 0.4702



19.8519, 0.2903, 0.3331



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.



76.2349, 0.2565, 0.3419



81.5124, 0.2485, 0.3450



53.0092, 0.2416, 0.2732



18.7281, 0.2994, 0.3313



38.0034, 0.2332, 0.3596



3.3481, 0.2321, 0.3554

Inverse Universe

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



38.2361, 0.4242, 0.3174



35.0368, 0.4620, 0.3157



52.8959, 0.4125, 0.3776



16.5089, 0.3278, 0.3267



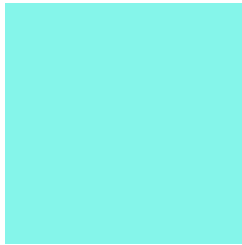
10.5025, 0.6288, 0.3238



0.9318, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 76.2319, 0.2565, 0.3419 looks on a white background.

Color Contrast Check

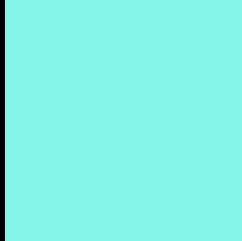
Large Text (above 18pt) WCAG AA × Fail

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 76.2319, 0.2565, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

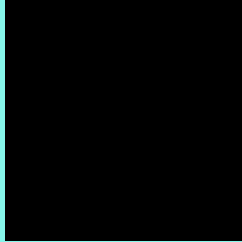
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

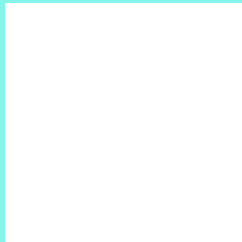
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2319, 0.2565, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 76.2319, 0.2565, 0.3419.

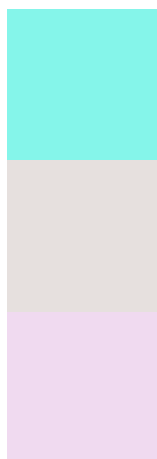


This preview shows how white text looks on a background with the Yxy color 76.2319, 0.2565, 0.3419.

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

76.2319, 0.2565, 0.3419

Protanopia

75.4082, 0.3183, 0.3311

Deuteranopia

74.9593, 0.3138, 0.3065



Tritanopia

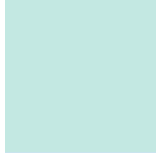
75.7400, 0.2573, 0.3097

Trichromacy



Original Color

76.2319, 0.2565, 0.3419



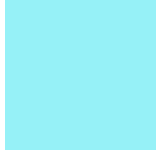
Protanomaly

74.8063, 0.2921, 0.3357



Deuteranomaly

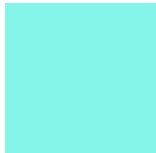
74.0774, 0.2887, 0.3180



Tritanomaly

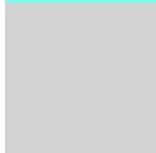
76.1100, 0.2573, 0.3219

Monochromacy



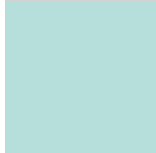
Original Color

76.2319, 0.2565, 0.3419



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.8349, 0.2875, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2319, 0.2565, 0.3419 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(133, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(133, 245, 234)  
}
```

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(133, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 245, 234) }
```

Border

The CSS property to change the border of an element to Yxy 76.2319, 0.2565, 0.3419 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(133, 245, 234) }
```

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

```
.border{ border-color:rgb(133, 245, 234) }
```

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

Here you see how a box with a 4 pixel rgb(133, 245, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(133, 245,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2319, 0.2565, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 245, 234) }
```

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

```
.background{ background-color: rgb(133,  
245, 234) }
```

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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