

# Converting Colors

$Y_{xy}(79.2655, 0.2360, 0.3401)$

Have a look what the booklet for  
Yxy(79.2655, 0.2360, 0.3401)  
contains.

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# Color

**Yxy(79.0127, 0.2360, 0.3396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFEF5
RGB	76, 254, 245
RGB Percent	30%, 100%, 96%
CMY	0.7016, 0.0039, 0.0392
CMYK	0.70, 0.00, 0.04, 0.00
HSL	177°, 99%, 65%
HSV	177°, 70%, 100%
XYZ	54.9087, 79.0127, 98.7426
YIQ	199.7520, -103.1990, -40.5350

# Conversions

## Conversions Part 2

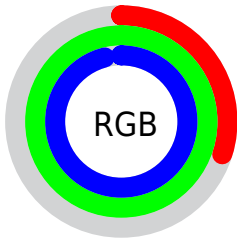
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">76, 167, 254</a>
Decimal	<a href="#">5046005</a>
CIELab	<a href="#">91.24, -45.82, -8.69</a>
CIElCh	<a href="#">91, 46.633, 190.741</a>
Yxy	<a href="#">79.0127, 0.2360, 0.3396</a>
Android (android.graphics.Color)	<a href="#">4283236085 (0xFF4CFEF5)</a>
YUV	<a href="#">199.7520, 22.3073, -108.5305</a>
Hunter-Lab	<a href="#">88.8891, -45.2926, -3.6400</a>

# Details

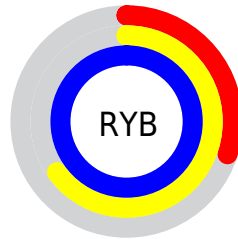
The Yxy color **79.0127, 0.2360, 0.3396** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.9101, 0.5405, 0.3225**, and the grayscale version is **57.5239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **43.6066, 0.2281, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **78.0930, 0.2320, 0.3413**, and if you desaturate by 10%, it is **80.3494, 0.2420, 0.3379**.

# Distribution



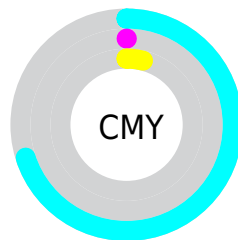
- Red (30%)
- Green (100%)
- Blue (96%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0127, 0.2360, 0.3396 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 79.0127, 0.2360, 0.3396 by changing the saturation by 10% instead.




 79.0127, 0.2360,  
0.3396


 79.0127, 0.2360,  
0.3396


491.5993, 0.2702,  
0.3356

 58.9063, 0.2285,  
0.3403


 131.9767, 0.2476,  
0.3384


 42.5377, 0.2195,  
0.3410


 165.6031, 0.2522,  
0.3379

 29.5225, 0.2084,  
0.3418


 204.5049, 0.2561,  
0.3374

 19.4765, 0.1943,  
0.3425

 249.0666, 0.2596,  
0.3370

 12.0151, 0.1760,  
0.3430

299.6724, 0.2627,  
0.3366

 6.7539, 0.1516,  
0.3427

356.7069, 0.2655,

 3.3087, 0.1179,

0.3363

420.5544, 0.2679,  
0.3359

0.3401

1.2949, 0.0173,  
0.3494

0.1373, 0.0000,  
0.1535

79.0127, 0.2360,  
0.3396

79.0127, 0.2360,  
0.3396

78.0930, 0.2320,  
0.3413

80.3494, 0.2420,  
0.3379

77.5299, 0.2298,  
0.3430


82.1373, 0.2499,  
0.3362


77.2426, 0.2291,  
0.3446

84.4171, 0.2597,  
0.3346

87.2225, 0.2711,  
0.3331

 90.5844, 0.2840,  
0.3316

 94.5310, 0.2979,  
0.3302

 99.0890, 0.3127,  
0.3290

 99.3626, 0.3128,  
0.3281

# Harmonies

## Analogous

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



79.0127, 0.2768, 0.3932



79.0127, 0.2360, 0.3396



79.0127, 0.2159, 0.2883

# Triad

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



79.0127, 0.2360, 0.3396



79.0127, 0.2884, 0.2506



79.0127, 0.4144, 0.3952

# Complementary

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



79.0127, 0.2360, 0.3396



26.9101, 0.5405, 0.3225

# 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.



79.0127, 0.4203, 0.3546



79.0127, 0.2360, 0.3396



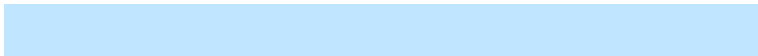
79.0127, 0.3438, 0.2753

# Square

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



79.0127, 0.2360, 0.3396



79.0127, 0.2439, 0.2427



79.0127, 0.3938, 0.3121



79.0127, 0.3802, 0.4235



# Rectangle

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



79.0127, 0.2360, 0.3396



79.0127, 0.2153, 0.2636



79.0127, 0.3938, 0.3121



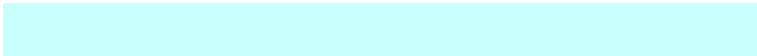
79.0127, 0.4200, 0.3824

# Sweetspot

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



79.0157, 0.2360, 0.3396



91.0468, 0.2827, 0.3317



73.4783, 0.3062, 0.5519



19.2782, 0.2791, 0.3321



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.



79.0157, 0.2360, 0.3396



78.5291, 0.2309, 0.3420



40.1039, 0.2075, 0.2275



20.4647, 0.2987, 0.3302



40.7307, 0.2290, 0.3444



3.9705, 0.2285, 0.3424



# Inverse Universe

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



26.9101, 0.5405, 0.3225



23.0767, 0.5995, 0.3244



44.4375, 0.4844, 0.4016



18.0020, 0.3287, 0.3278



11.1300, 0.6350, 0.3272

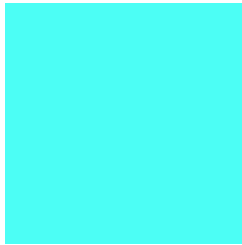


1.0887, 0.6231, 0.3206



# Previews

## White Background



This preview shows how the Yxy color 79.0127, 0.2360, 0.3396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

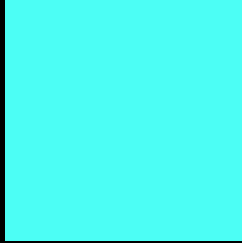
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0127, 0.2360, 0.3396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

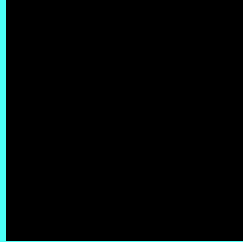
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

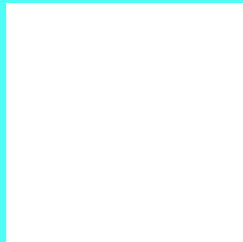
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0127, 0.2360, 0.3396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0127, 0.2360, 0.3396.

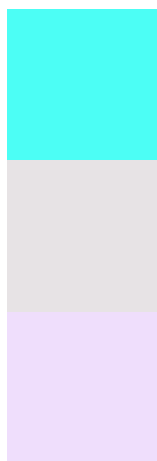


This preview shows how white text looks on a background with the Yxy color 79.0127, 0.2360, 0.3396.

# 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

79.0127, 0.2360, 0.3396

### Protanopia

77.5842, 0.3142, 0.3269

### Deuteranopia

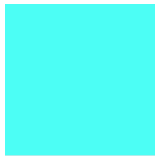
77.6215, 0.3052, 0.2988



## Tritanopia

78.3013, 0.2589, 0.3143

# Trichromacy



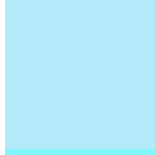
## Original Color

79.0127, 0.2360, 0.3396



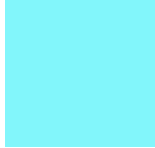
## Protanomaly

75.6805, 0.2755, 0.3312



## Deuteranomaly

75.3885, 0.2706, 0.3122



## Tritanomaly

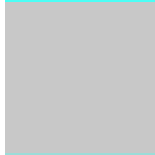
77.6224, 0.2479, 0.3230

# Monochromacy



## Original Color

79.0127, 0.2360, 0.3396



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

63.1128, 0.2724, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0127, 0.2360, 0.3396 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(76, 254, 245)` looks like.

```
.text, #text, p{  
    color:rgb(76, 254, 245)  
}
```

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(76, 254, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 254, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0127, 0.2360, 0.3396 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(76, 254, 245) }
```

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

```
.border{ border-color:rgb(76, 254, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 254, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 254, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 254, 245);  
box-shadow:4px 4px 4px 4px rgb(76, 254,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0127, 0.2360, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 254, 245) }
```

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

```
.background{ background-color: rgb(76, 254,  
245) }
```

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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