

Converting Colors

$Yxy(79.9743, 0.2345, 0.3348)$

Have a look what the booklet for
Yxy(79.9743, 0.2345, 0.3348)
contains.

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Color

Yxy(79.9586, 0.2344, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFFA
RGB	76, 255, 250
RGB Percent	30%, 100%, 98%
CMY	0.7020, 0.0000, 0.0195
CMYK	0.70, 0.00, 0.02, 0.00
HSL	178°, 100%, 65%
HSV	178°, 70%, 100%
XYZ	55.9973, 79.9586, 102.9404
YIQ	200.9090, -105.0790, -39.5030

Conversions

Conversions Part 2

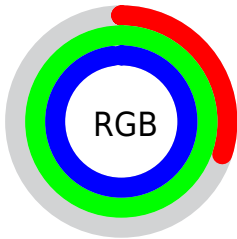
Format	Color
RYB	76, 167, 255
Decimal	5046266
CIELab	91.67, -44.92, -10.66
CIELCh	92, 46.167, 193.352
Yxy	79.9586, 0.2344, 0.3347
Android (android.graphics.Color)	4283236346 (0xFF4CFFFA)
YUV	200.9090, 24.2019, -109.5452
Hunter-Lab	89.4196, -44.7020, -5.6614

Details

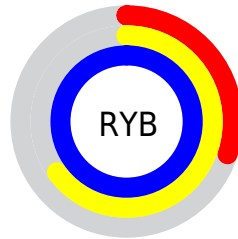
The Yxy color **79.9586, 0.2344, 0.3347** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.0220, 0.5463, 0.3258**, and the grayscale version is **58.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **44.2832, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **79.0698, 0.2303, 0.3356**, and if you desaturate by 10%, it is **81.2634, 0.2405, 0.3338**.

Distribution



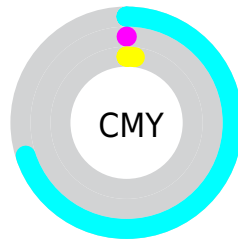
- Red (30%)
- Green (100%)
- Blue (98%)



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



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9586, 0.2344, 0.3347 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 79.9586, 0.2344, 0.3347 by changing the saturation by 10% instead.


 79.9586, 0.2344,
0.3347

 79.9586, 0.2344,
0.3347


494.7933, 0.2691,
0.3331


 59.6843, 0.2269,
0.3348

 133.3075, 0.2461,
0.3343

 43.1642, 0.2177,
0.3349


 167.1509, 0.2508,
0.3341

 30.0140, 0.2065,
0.3348


 206.2861, 0.2548,
0.3339

 19.8492, 0.1924,
0.3343

 251.0976, 0.2584,
0.3338

 12.2855, 0.1742,
0.3333

301.9696, 0.2615,
0.3336

 6.9384, 0.1500,
0.3308


359.2866, 0.2643,


 3.4236, 0.1169,


0.3334


0.3249


423.4331, 0.2668,
0.3332


 1.3567, 0.0312,
0.3235


 0.1845, 0.0000,
0.1631


 79.9586, 0.2344,
0.3347


 79.9586, 0.2344,
0.3347


 79.0698, 0.2303,
0.3356

 81.2634, 0.2405,
0.3338

 78.5414, 0.2279,
0.3365

 83.0245, 0.2486,
0.3329

 78.2915, 0.2271,
0.3374

 85.2811, 0.2585,
0.3320

 88.0673, 0.2701,
0.3312

91.4143, 0.2832,
0.3304

95.3508, 0.2974,
0.3297

99.9036, 0.3124,
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.



79.9586, 0.2732, 0.3882



79.9586, 0.2344, 0.3347



79.9586, 0.2164, 0.2852

Triad

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



79.9586, 0.2344, 0.3347



79.9586, 0.2932, 0.2531



79.9586, 0.4111, 0.3976

Complementary

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



79.9586, 0.2344, 0.3347



27.0220, 0.5463, 0.3258

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.



79.9586, 0.4196, 0.3580



79.9586, 0.2344, 0.3347



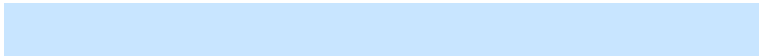
79.9586, 0.3481, 0.2787

Square

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



79.9586, 0.2344, 0.3347



79.9586, 0.2480, 0.2437



79.9586, 0.3961, 0.3159



79.9586, 0.3755, 0.4236

Rectangle

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



79.9586, 0.2344, 0.3347



79.9586, 0.2171, 0.2620



79.9586, 0.3961, 0.3159



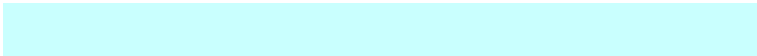
79.9586, 0.4174, 0.3853

Sweetspot

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



79.9598, 0.2344, 0.3347



91.1244, 0.2821, 0.3305



73.8339, 0.3041, 0.5538



19.2970, 0.2784, 0.3307



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.



79.9598, 0.2344, 0.3347



78.8295, 0.2292, 0.3360



38.0580, 0.2053, 0.2190



20.4722, 0.2984, 0.3296



40.9129, 0.2270, 0.3372



3.9862, 0.2267, 0.3362

Inverse Universe

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



27.0220, 0.5463, 0.3258



23.0354, 0.6039, 0.3270



46.7611, 0.4796, 0.4075



17.9953, 0.3290, 0.3284



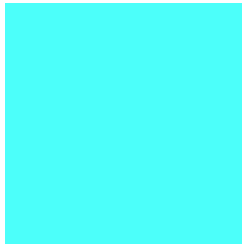
11.1205, 0.6373, 0.3284



1.0855, 0.6306, 0.3247

Previews

White Background



This preview shows how the Yxy color 79.9586, 0.2344, 0.3347 looks on a white background.

Color Contrast Check

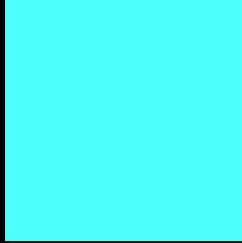
Large Text (above 18pt) WCAG AA × Fail

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 79.9586, 0.2344, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

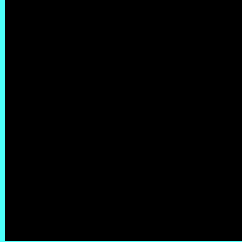
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9586, 0.2344, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 79.9586, 0.2344, 0.3347.

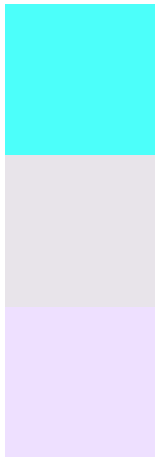


This preview shows how white text looks on a background with the Yxy color 79.9586, 0.2344, 0.3347.

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

79.9586, 0.2344, 0.3347

Protanopia

78.5831, 0.3116, 0.3228

Deuteranopia

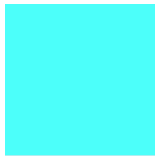
78.7085, 0.3026, 0.2978



Tritanopia

78.8313, 0.2613, 0.3144

Trichromacy



Original Color

79.9586, 0.2344, 0.3347



Protanomaly

76.5543, 0.2730, 0.3266



Deuteranomaly

76.0922, 0.2681, 0.3090



Tritanomaly

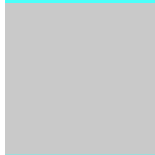
78.5999, 0.2485, 0.3219

Monochromacy



Original Color

79.9586, 0.2344, 0.3347



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8953, 0.2715, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9586, 0.2344, 0.3347 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, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 250)  
}
```

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, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 79.9586, 0.2344, 0.3347 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, 255, 250) }
```

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

```
.border{ border-color:rgb(76, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9586, 0.2344, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 250) }
```

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

```
.background{ background-color: rgb(76, 255,  
250) }
```

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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