

Converting Colors

$Yxy(79.9145, 0.2430, 0.3390)$

Have a look what the booklet for
Yxy(79.9145, 0.2430, 0.3390)
contains.

Yxy(79.7267, 0.2427, 0.3383)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.7267, 0.2427, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	67FDF5
RGB	103, 253, 245
RGB Percent	40%, 99%, 96%
CMY	0.5961, 0.0078, 0.0393
CMYK	0.59, 0.00, 0.03, 0.01
HSL	177°, 97%, 70%
HSV	177°, 59%, 99%
XYZ	57.1968, 79.7267, 98.7452
YIQ	207.2380, -86.8320, -34.2880

Conversions

Conversions Part 2

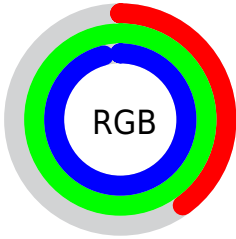
Format	Color
RYB	103, 180, 253
Decimal	6815221
CIELab	91.56, -41.50, -8.14
CIELCh	92, 42.289, 191.095
Yxy	79.7267, 0.2427, 0.3383
Android (android.graphics.Color)	4285005301 (0xFF67FDF5)
YUV	207.2380, 18.6167, -91.4167
Hunter-Lab	89.2898, -41.9146, -3.0657

Details

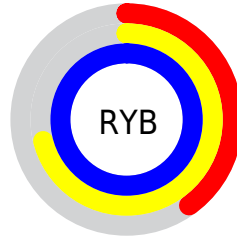
The Yxy color **79.7267, 0.2427, 0.3383** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.7314, 0.4892, 0.3219**, and the grayscale version is **62.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **43.1540, 0.2277, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **78.3710, 0.2366, 0.3401**, and if you desaturate by 10%, it is **81.5416, 0.2508, 0.3365**.

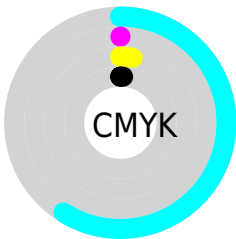
Distribution



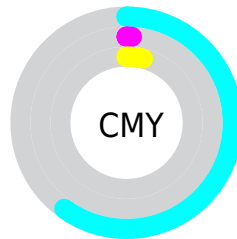
- Red (40%)
- Green (99%)
- Blue (96%)



- Red (40%)
- Yellow (71%)
- Blue (99%)



- Cyan (59%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (60%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7267, 0.2427, 0.3383 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 79.7267, 0.2427, 0.3383 by changing the saturation by 10% instead.


 79.7267, 0.2427,
0.3383


 79.7267, 0.2427,
0.3383

494.0113, 0.2739,
0.3348


 59.4935, 0.2359,
0.3389

 132.9814, 0.2533,
0.3372

 43.0105, 0.2276,
0.3396


 166.7717, 0.2575,
0.3368

 29.8934, 0.2173,
0.3403


 205.8498, 0.2611,
0.3364

 19.7577, 0.2044,
0.3410

250.6001, 0.2643,
0.3360

 12.2190, 0.1875,
0.3415

301.4070, 0.2671,
0.3356

 6.8930, 0.1647,
0.3415


358.6549, 0.2696,


 3.3953, 0.1328,

0.3353

422.7282, 0.2719,
0.3351


0.3397


 1.3414, 0.0523,
0.3447


 0.1729, 0.0000,
0.1859


 79.7267, 0.2427,
0.3383


 79.7267, 0.2427,
0.3383


 78.3710, 0.2366,
0.3401


 81.5416, 0.2508,
0.3365


 77.4230, 0.2324,
0.3419

 83.8435, 0.2607,
0.3348

 76.8355, 0.2301,
0.3437

 86.6686, 0.2722,
0.3332

 76.5323, 0.2294,
0.3455

 90.0472, 0.2851,
0.3316

■ 76.5151, 0.2293,
0.3456

■ 94.0074, 0.2990,
0.3302

■ 98.5752, 0.3138,
0.3289

■ 98.7001, 0.3131,
0.3276

■ 98.7350, 0.3128,
0.3271

Harmonies

Analogous

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



79.7267, 0.2799, 0.3861



79.7267, 0.2427, 0.3383



79.7267, 0.2242, 0.2921

Triad

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



79.7267, 0.2427, 0.3383



79.7267, 0.2914, 0.2575



79.7267, 0.4048, 0.3902

Complementary

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



79.7267, 0.2427, 0.3383



31.7314, 0.4892, 0.3219

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.



79.7267, 0.4101, 0.3535



79.7267, 0.2427, 0.3383



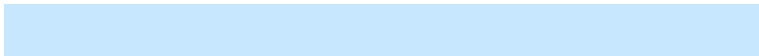
79.7267, 0.3416, 0.2804

Square

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



79.7267, 0.2427, 0.3383



79.7267, 0.2505, 0.2502



79.7267, 0.3864, 0.3144



79.7267, 0.3739, 0.4148

Rectangle

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



79.7267, 0.2427, 0.3383



79.7267, 0.2238, 0.2695



79.7267, 0.3864, 0.3144



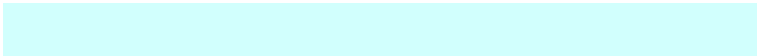
79.7267, 0.4098, 0.3788

Sweetspot

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



79.7298, 0.2427, 0.3383



92.1528, 0.2868, 0.3315



74.7446, 0.3081, 0.5189



19.4926, 0.2829, 0.3319



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.



79.7298, 0.2427, 0.3383



79.5857, 0.2357, 0.3404



45.9426, 0.2210, 0.2458



20.4637, 0.2987, 0.3302



40.7078, 0.2293, 0.3453



3.9685, 0.2287, 0.3433

Inverse Universe

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



31.7314, 0.4892, 0.3219



26.7853, 0.5444, 0.3221



49.8683, 0.4511, 0.3949



18.0028, 0.3286, 0.3278



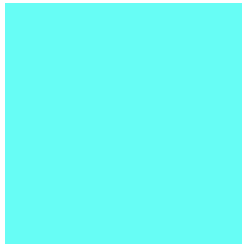
11.1312, 0.6347, 0.3270



1.0891, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 79.7267, 0.2427, 0.3383 looks on a white background.

Color Contrast Check

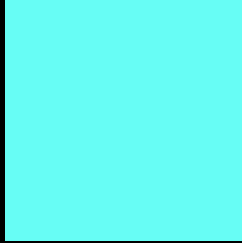
Large Text (above 18pt) WCAG AA × Fail

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 79.7267, 0.2427, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

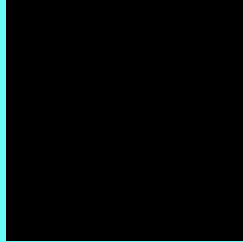
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

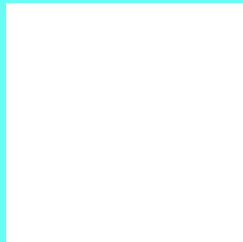
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7267, 0.2427, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 79.7267, 0.2427, 0.3383.

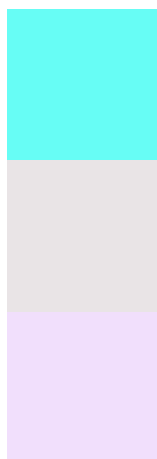


This preview shows how white text looks on a background with the Yxy color 79.7267, 0.2427, 0.3383.

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

79.7267, 0.2427, 0.3383

Protanopia

78.5236, 0.3149, 0.3269

Deuteranopia

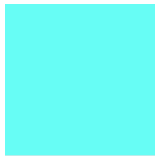
78.5044, 0.3065, 0.2999



Tritanopia

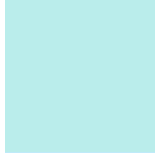
79.1593, 0.2628, 0.3145

Trichromacy



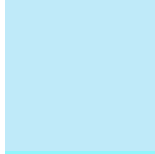
Original Color

79.7267, 0.2427, 0.3383



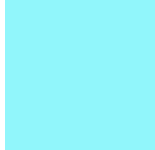
Protanomaly

77.0056, 0.2818, 0.3311



Deuteranomaly

76.7616, 0.2769, 0.3125



Tritanomaly

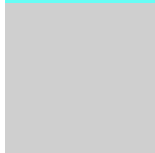
78.8963, 0.2541, 0.3231

Monochromacy



Original Color

79.7267, 0.2427, 0.3383



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.9668, 0.2784, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7267, 0.2427, 0.3383 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(103, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(103, 253, 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(103, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 253, 245) }
```

Border

The CSS property to change the border of an element to Yxy 79.7267, 0.2427, 0.3383 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(103, 253, 245) }
```

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

```
.border{ border-color:rgb(103, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(103, 253,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7267, 0.2427, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 253, 245) }
```

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

```
.background{ background-color: rgb(103,  
253, 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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