

Converting Colors

$Yxy(80.1561, 0.2448, 0.3464)$

Have a look what the booklet for
Yxy(80.1561, 0.2448, 0.3464)
contains.

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Color

Yxy(79.9997, 0.2447, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	66FEF0
RGB	102, 254, 240
RGB Percent	40%, 100%, 94%
CMY	0.5995, 0.0040, 0.0588
CMYK	0.60, 0.00, 0.06, 0.00
HSL	174°, 99%, 70%
HSV	174°, 60%, 100%
XYZ	56.6597, 79.9997, 94.8882
YIQ	206.9560, -86.0980, -36.5780

Conversions

Conversions Part 2

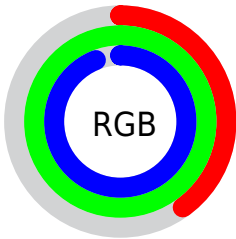
Format	Color
RYB	102, 182, 254
Decimal	6749936
CIELab	91.68, -43.35, -5.37
CIElCh	92, 43.684, 187.064
Yxy	79.9997, 0.2447, 0.3455
Android (android.graphics.Color)	4284940016 (0xFF66FEF0)
YUV	206.9560, 16.2907, -92.0464
Hunter-Lab	89.4426, -43.4490, -0.2901

Details

The Yxy color **79.9997, 0.2447, 0.3455** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8633, 0.4841, 0.3161**, and the grayscale version is **62.3259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.3932, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **78.5986, 0.2389, 0.3487**, and if you desaturate by 10%, it is **81.8634, 0.2524, 0.3424**.

Distribution



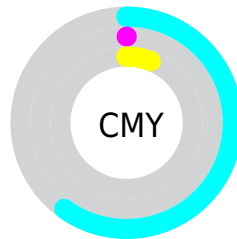
- Red (40%)
- Green (100%)
- Blue (94%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9997, 0.2447, 0.3455 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 79.9997, 0.2447, 0.3455 by changing the saturation by 10% instead.


 79.9997, 0.2447,
0.3455


 79.9997, 0.2447,
0.3455

494.9318, 0.2751,
0.3385

 59.7181, 0.2380,
0.3469

 133.3653, 0.2550,
0.3432

 43.1915, 0.2299,
0.3486


 167.2181, 0.2591,
0.3423

 30.0354, 0.2198,
0.3506

 206.3635, 0.2627,
0.3415

 19.8654, 0.2071,
0.3530

251.1857, 0.2658,
0.3408

 12.2973, 0.1904,
0.3559

302.0693, 0.2685,
0.3401

 6.9465, 0.1678,
0.3593


359.3986, 0.2710,


 3.4286, 0.1359,


0.3395

0.3628


423.5579, 0.2732,
0.3390


 1.3594, 0.0480,
0.3809


 0.1865, 0.0000,
0.2437


 79.9997, 0.2447,
0.3455

 79.9997, 0.2447,
0.3455


 78.5986, 0.2389,
0.3487


 81.8634, 0.2524,
0.3424


 77.6079, 0.2351,
0.3519


 84.2179, 0.2619,
0.3394

 76.9794, 0.2332,
0.3551

 87.1002, 0.2730,
0.3365

 76.6311, 0.2329,
0.3582

 90.5409, 0.2854,
0.3338

 76.6248, 0.2329,
0.3583

 94.5683, 0.2988,
0.3312

99.2090, 0.3130,
0.3290

99.3590, 0.3128,
0.3280

Harmonies

Analogous

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



79.9997, 0.2851, 0.3937



79.9997, 0.2447, 0.3455



79.9997, 0.2230, 0.2965

Triad

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



79.9997, 0.2447, 0.3455



79.9997, 0.2842, 0.2534



79.9997, 0.4101, 0.3873

Complementary

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



79.9997, 0.2447, 0.3455



31.8633, 0.4841, 0.3161

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.



79.9997, 0.4116, 0.3485



79.9997, 0.2447, 0.3455



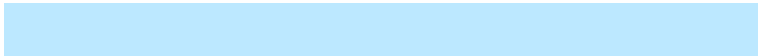
79.9997, 0.3354, 0.2750

Square

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



79.9997, 0.2447, 0.3455



79.9997, 0.2443, 0.2483



79.9997, 0.3835, 0.3087



79.9997, 0.3811, 0.4152

Rectangle

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



79.9997, 0.2447, 0.3455



79.9997, 0.2205, 0.2716



79.9997, 0.3835, 0.3087



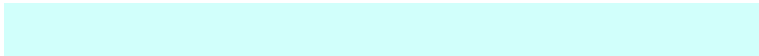
79.9997, 0.4140, 0.3750

Sweetspot

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



80.0028, 0.2447, 0.3455



92.0404, 0.2877, 0.3333



75.6453, 0.3104, 0.5192



19.4648, 0.2839, 0.3341



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.



80.0028, 0.2447, 0.3455



79.0523, 0.2379, 0.3494



48.2389, 0.2219, 0.2518



20.4509, 0.2992, 0.3312



40.4120, 0.2327, 0.3577



3.9429, 0.2317, 0.3541

Inverse Universe

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



31.8633, 0.4841, 0.3161



26.5275, 0.5401, 0.3163



48.1831, 0.4564, 0.3902



18.0143, 0.3280, 0.3268



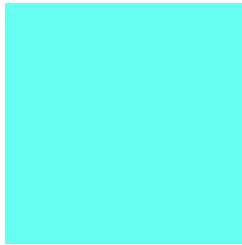
11.1513, 0.6300, 0.3244



1.0945, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 79.9997, 0.2447, 0.3455 looks on a white background.

Color Contrast Check

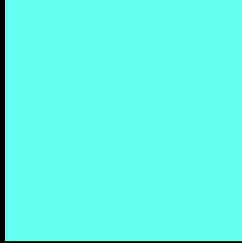
Large Text (above 18pt) WCAG AA × Fail

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 79.9997, 0.2447, 0.3455 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

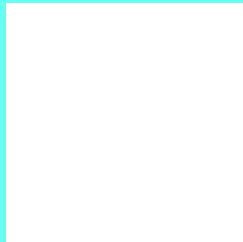
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9997, 0.2447, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 79.9997, 0.2447, 0.3455.

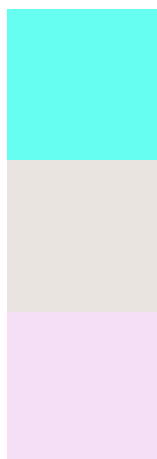


This preview shows how white text looks on a background with the Yxy color 79.9997, 0.2447, 0.3455.

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

79.9997, 0.2447, 0.3455

Protanopia

78.4155, 0.3188, 0.3322

Deuteranopia

78.7238, 0.3118, 0.3049



Tritanopia

79.3822, 0.2639, 0.3145

Trichromacy



Original Color

79.9997, 0.2447, 0.3455



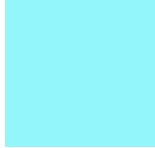
Protanomaly

76.7206, 0.2845, 0.3368



Deuteranomaly

76.5838, 0.2802, 0.3179



Tritanomaly

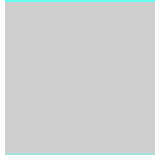
78.9247, 0.2550, 0.3243

Monochromacy



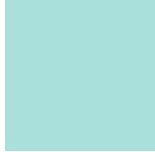
Original Color

79.9997, 0.2447, 0.3455



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.8608, 0.2795, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9997, 0.2447, 0.3455 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, 254, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 254, 240)  
}
```

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, 254, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 254, 240) }
```

Border

The CSS property to change the border of an element to Yxy 79.9997, 0.2447, 0.3455 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, 254, 240) }
```

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

```
.border{ border-color:rgb(102, 254, 240) }
```

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

Here you see how a box with a 4 pixel rgb(102, 254, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 254, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 254, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 254,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9997, 0.2447, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 254, 240) }
```

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

```
.background{ background-color: rgb(102,  
254, 240) }
```

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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