

Converting Colors

$Yxy(80.0782, 0.2448, 0.3464)$

Have a look what the booklet for
Yxy(80.0782, 0.2448, 0.3464)
contains.

Yxy(79.9404, 0.2451, 0.3467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.9404, 0.2451, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	66FEEF
RGB	102, 254, 239
RGB Percent	40%, 100%, 94%
CMY	0.5994, 0.0040, 0.0627
CMYK	0.60, 0.00, 0.06, 0.00
HSL	174°, 99%, 70%
HSV	174°, 60%, 100%
XYZ	56.5140, 79.9404, 94.1208
YIQ	206.8420, -85.7770, -36.8890

Conversions

Conversions Part 2

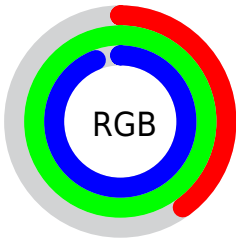
Format	Color
R_{YB}	102, 182, 254
Decimal	6749935
CIE _{Lab}	91.66, -43.60, -4.90
CIE _{LCh}	92, 43.873, 186.415
Y _{xy}	79.9404, 0.2451, 0.3467
Android (android.graphics.Color)	4284940015 (0xFF66FEEF)
Y _{UV}	206.8420, 15.8539, -91.9464
Hunter-Lab	89.4094, -43.6400, 0.1723

Details

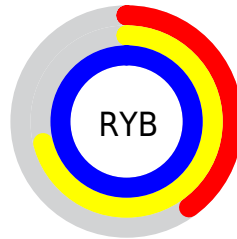
The Yxy color **79.9404, 0.2451, 0.3467** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8871, 0.4828, 0.3151**, and the grayscale version is **62.2529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.3514, 0.2308, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **78.5304, 0.2394, 0.3501**, and if you desaturate by 10%, it is **81.8132, 0.2528, 0.3433**.

Distribution



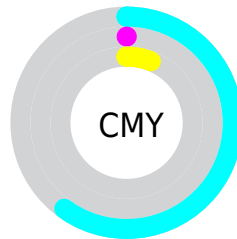
- Red (40%)
- Green (100%)
- Blue (94%)



- 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 79.9404, 0.2451, 0.3467 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 79.9404, 0.2451, 0.3467 by changing the saturation by 10% instead.


 79.9404, 0.2451,
0.3467


 79.9404, 0.2451,
0.3467


494.7320, 0.2754,
0.3392


 59.6693, 0.2384,
0.3483


 133.2819, 0.2554,
0.3442

 43.1521, 0.2304,
0.3501


 167.1212, 0.2595,
0.3432

 30.0045, 0.2203,
0.3523


 206.2519, 0.2630,
0.3423

 19.8420, 0.2076,
0.3550

251.0585, 0.2661,
0.3416

 12.2803, 0.1909,
0.3583

301.9255, 0.2688,
0.3409

 6.9348, 0.1683,
0.3623


359.2371, 0.2712,


 3.4214, 0.1364,

0.3402


423.3778, 0.2734,
0.3397

0.3668


 1.3555, 0.0464,
0.3876


 0.1836, 0.0000,
0.2528


 79.9404, 0.2451,
0.3467


 79.9404, 0.2451,
0.3467


 78.5304, 0.2394,
0.3501


 81.8132, 0.2528,
0.3433


 77.5310, 0.2356,
0.3536

 84.1772, 0.2622,
0.3401

 76.8941, 0.2338,
0.3570

 87.0692, 0.2732,
0.3370

 76.5378, 0.2335,
0.3603

 90.5198, 0.2856,
0.3341

■ 76.5312, 0.2335,
0.3604

■ 94.5575, 0.2989,
0.3314

99.2086, 0.3130,
0.3290

99.3576, 0.3128,
0.3280

Harmonies

Analogous

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



79.9404, 0.2860, 0.3949



79.9404, 0.2451, 0.3467



79.9404, 0.2228, 0.2973

Triad

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



79.9404, 0.2451, 0.3467



79.9404, 0.2831, 0.2528



79.9404, 0.4109, 0.3867

Complementary

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



79.9404, 0.2451, 0.3467



31.8871, 0.4828, 0.3151

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.



79.9404, 0.4118, 0.3477



79.9404, 0.2451, 0.3467



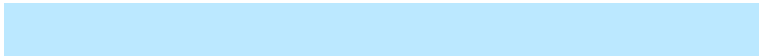
79.9404, 0.3344, 0.2742

Square

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



79.9404, 0.2451, 0.3467



79.9404, 0.2433, 0.2481



79.9404, 0.3830, 0.3078



79.9404, 0.3823, 0.4152

Rectangle

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



79.9404, 0.2451, 0.3467



79.9404, 0.2201, 0.2720



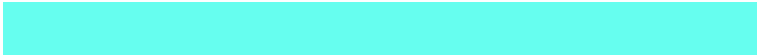
79.9404, 0.3830, 0.3078



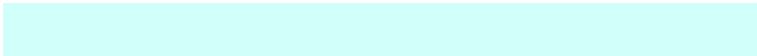
79.9404, 0.4146, 0.3743

Sweetspot

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



79.9435, 0.2451, 0.3467



92.0217, 0.2879, 0.3336



75.6444, 0.3104, 0.5192



19.4601, 0.2841, 0.3344



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.



79.9435, 0.2451, 0.3467



78.9827, 0.2384, 0.3509



48.2395, 0.2219, 0.2518



20.4488, 0.2993, 0.3313



40.3641, 0.2333, 0.3599



3.9387, 0.2322, 0.3560

Inverse Universe

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



31.8871, 0.4828, 0.3151



26.5474, 0.5386, 0.3153



48.1837, 0.4564, 0.3902



18.0162, 0.3279, 0.3267



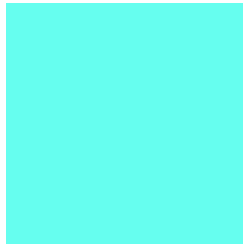
11.1554, 0.6290, 0.3239



1.0954, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 79.9404, 0.2451, 0.3467 looks on a white background.

Color Contrast Check

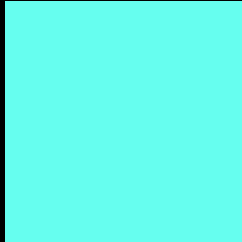
Large Text (above 18pt) WCAG AA × Fail

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 79.9404, 0.2451, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

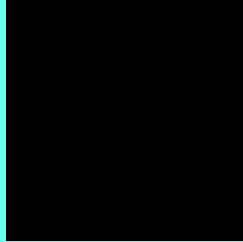
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

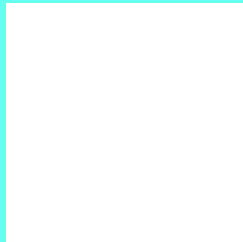
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9404, 0.2451, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 79.9404, 0.2451, 0.3467.

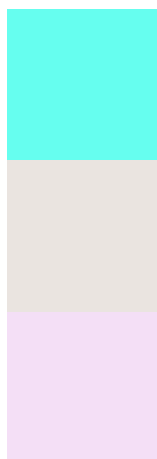


This preview shows how white text looks on a background with the Yxy color 79.9404, 0.2451, 0.3467.

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

79.9404, 0.2451, 0.3467

Protanopia

78.3610, 0.3195, 0.3332

Deuteranopia

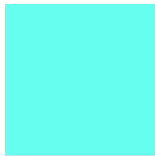
78.6623, 0.3124, 0.3059



Tritanopia

79.2703, 0.2633, 0.3145

Trichromacy



Original Color

79.9404, 0.2451, 0.3467



Protanomaly

76.6646, 0.2851, 0.3379



Deuteranomaly

76.5232, 0.2807, 0.3190



Tritanomaly

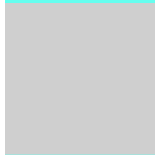
78.7708, 0.2550, 0.3254

Monochromacy



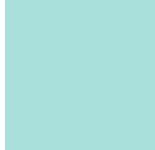
Original Color

79.9404, 0.2451, 0.3467



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 79.9404, 0.2451, 0.3467 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(102, 254, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 254, 239) }
```

Border

The CSS property to change the border of an element to Yxy 79.9404, 0.2451, 0.3467 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, 239) }
```

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

```
.border{ border-color:rgb(102, 254, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 254, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 254, 239);  
box-shadow:4px 4px 4px 4px rgb(102, 254,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9404, 0.2451, 0.3467 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, 239) }
```

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

```
.background{ background-color: rgb(102,  
254, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor