

Converting Colors

$Yxy(76.3034, 0.2414, 0.3457)$

Have a look what the booklet for
Yxy(76.3034, 0.2414, 0.3457)
contains.

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Color

Yxy(76.5512, 0.2415, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	59FAEC
RGB	89, 250, 236
RGB Percent	35%, 98%, 93%
CMY	0.6509, 0.0196, 0.0745
CMYK	0.64, 0.00, 0.06, 0.02
HSL	175°, 94%, 66%
HSV	175°, 64%, 98%
XYZ	53.4464, 76.5512, 91.3126
YIQ	200.2650, -91.4620, -38.4860

Conversions

Conversions Part 2

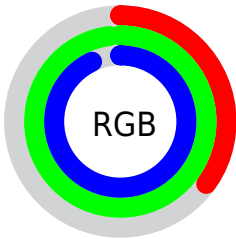
Format	Color
RYB	89, 173, 250
Decimal	5896940
CIELab	90.11, -44.69, -5.65
CIELCh	90, 45.050, 187.203
Yxy	76.5512, 0.2415, 0.3459
Android (android.graphics.Color)	4284087020 (0xFF59FAEC)
YUV	200.2650, 17.6174, -97.5794
Hunter-Lab	87.4935, -44.0750, -0.6325

Details

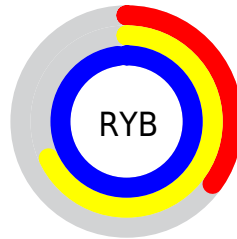
The Yxy color **76.5512, 0.2415, 0.3459** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.4532, 0.5059, 0.3167**, and the grayscale version is **57.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **41.4352, 0.2305, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **75.3942, 0.2366, 0.3489**, and if you desaturate by 10%, it is **78.1354, 0.2484, 0.3429**.

Distribution



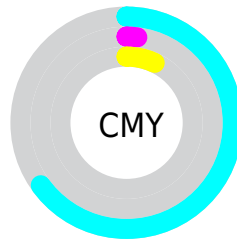
- Red (35%)
- Green (98%)
- Blue (93%)



- Red (35%)
- Yellow (68%)
- Blue (98%)



- Cyan (64%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (65%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5512, 0.2415, 0.3459 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 76.5512, 0.2415, 0.3459 by changing the saturation by 10% instead.


 76.5512, 0.2415,
0.3459

 76.5512, 0.2415,
0.3459

483.2325, 0.2736,
0.3388


 56.8846, 0.2344,
0.3474


 128.5058, 0.2524,
0.3436


 40.9126, 0.2258,
0.3491


 161.5625, 0.2567,
0.3426

 28.2508, 0.2151,
0.3511


 199.8514, 0.2605,
0.3418

 18.5148, 0.2014,
0.3535

 243.7569, 0.2638,
0.3410

 11.3202, 0.1835,
0.3564

293.6634, 0.2666,
0.3404

 6.2826, 0.1592,
0.3597


349.9552, 0.2692,


 3.0177, 0.1249,


0.3398


0.3627


413.0168, 0.2715,
0.3393


 1.1410, 0.0000,
0.3918


 0.0127, 0.0000,
0.0301


 76.5512, 0.2415,
0.3459


 76.5512, 0.2415,
0.3459


 75.3942, 0.2366,
0.3489


 78.1354, 0.2484,
0.3429

 74.6111, 0.2337,
0.3519

 80.1762, 0.2571,
0.3400

 74.1502, 0.2325,
0.3549


 82.7106, 0.2675,
0.3373

 73.9886, 0.2324,
0.3565


 85.7693, 0.2794,
0.3346

 89.3807, 0.2925,
0.3322

 93.5709, 0.3064,
0.3299

 96.6122, 0.3152,
0.3278

 96.7504, 0.3139,
0.3258

 96.8531, 0.3129,
0.3242

Harmonies

Analogous

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



76.5512, 0.2834, 0.3968



76.5512, 0.2415, 0.3459



76.5512, 0.2191, 0.2945

Triad

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



76.5512, 0.2415, 0.3459



76.5512, 0.2831, 0.2504



76.5512, 0.4144, 0.3896

Complementary

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



76.5512, 0.2415, 0.3459



28.4532, 0.5059, 0.3167

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.



76.5512, 0.4163, 0.3492



76.5512, 0.2415, 0.3459



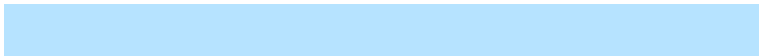
76.5512, 0.3366, 0.2729

Square

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



76.5512, 0.2415, 0.3459



76.5512, 0.2415, 0.2449



76.5512, 0.3870, 0.3079



76.5512, 0.3838, 0.4192

Rectangle

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



76.5512, 0.2415, 0.3459



76.5512, 0.2167, 0.2688



76.5512, 0.3870, 0.3079



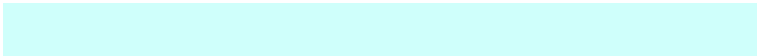
76.5512, 0.4186, 0.3768

Sweetspot

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



76.5541, 0.2415, 0.3459



91.6721, 0.2863, 0.3333



72.1054, 0.3096, 0.5337



19.3940, 0.2826, 0.3340



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.



76.5541, 0.2415, 0.3459



78.6073, 0.2356, 0.3497



43.9817, 0.2162, 0.2447



19.5810, 0.2992, 0.3311



39.2557, 0.2322, 0.3560



3.6432, 0.2312, 0.3525

Inverse Universe

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



28.4532, 0.5059, 0.3167



24.8702, 0.5636, 0.3180



43.9650, 0.4712, 0.3932



17.2497, 0.3280, 0.3270



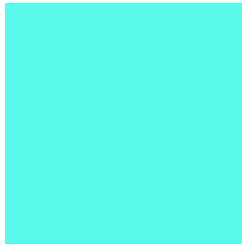
10.8192, 0.6306, 0.3247



1.0101, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 76.5512, 0.2415, 0.3459 looks on a white background.

Color Contrast Check

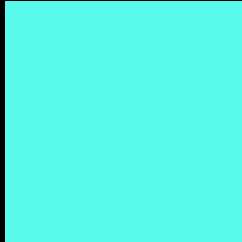
Large Text (above 18pt) WCAG AA × Fail

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 76.5512, 0.2415, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

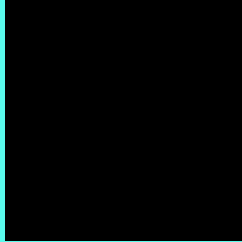
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5512, 0.2415, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 76.5512, 0.2415, 0.3459.

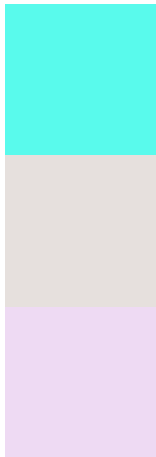


This preview shows how white text looks on a background with the Yxy color 76.5512, 0.2415, 0.3459.

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

76.5512, 0.2415, 0.3459

Protanopia

75.3548, 0.3189, 0.3322

Deuteranopia

74.7910, 0.3104, 0.3034



Tritanopia

75.9297, 0.2529, 0.3118

Trichromacy



Original Color

76.5512, 0.2415, 0.3459



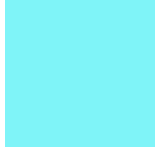
Protanomaly

73.3525, 0.2823, 0.3370



Deuteranomaly

73.0752, 0.2773, 0.3177



Tritanomaly

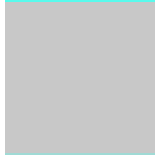
75.9907, 0.2476, 0.3241

Monochromacy



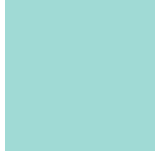
Original Color

76.5512, 0.2415, 0.3459



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.4205, 0.2769, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5512, 0.2415, 0.3459 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(89, 250, 236)` looks like.

```
.text, #text, p{  
    color:rgb(89, 250, 236)  
}
```

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(89, 250, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 250, 236) }
```

Border

The CSS property to change the border of an element to Yxy 76.5512, 0.2415, 0.3459 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(89, 250, 236) }
```

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

```
.border{ border-color:rgb(89, 250, 236) }
```

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

Here you see how a box with a 4 pixel rgb(89, 250, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 250, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 250, 236);  
box-shadow:4px 4px 4px 4px rgb(89, 250,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5512, 0.2415, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 250, 236) }
```

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

```
.background{ background-color: rgb(89, 250,  
236) }
```

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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