

Converting Colors

$Y_{xy}(82.8755, 0.2557, 0.4193)$

Have a look what the booklet for
Yxy(82.8755, 0.2557, 0.4193)
contains.

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Color

Yxy(76.3448, 0.2530, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	3BFFC2
RGB	59, 255, 194
RGB Percent	23%, 100%, 76%
CMY	0.7694, 0.0000, 0.2391
CMYK	0.77, 0.00, 0.24, 0.00
HSL	161°, 100%, 62%
HSV	161°, 77%, 100%
XYZ	47.2949, 76.3448, 63.2966
YIQ	189.4420, -97.2350, -60.5230

Conversions

Conversions Part 2

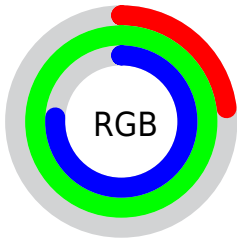
Format	Color
RYB	59, 175, 255
Decimal	3932098
CIELab	90.02, -60.77, 15.87
CIElCh	90, 62.805, 165.360
Yxy	76.3448, 0.2530, 0.4084
Android (android.graphics.Color)	4282122178 (0xFF3BFFC2)
YUV	189.4420, 2.2471, -114.3976
Hunter-Lab	87.3755, -56.2881, 18.2119

Details

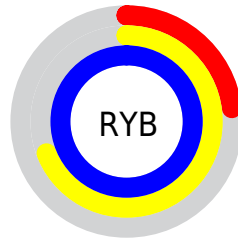
The Yxy color **76.3448, 0.2530, 0.4084** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.7198, 0.5012, 0.2792**, and the grayscale version is **51.1516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6359, 0.2518, 0.3334**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.3980, 0.2524, 0.4204**, and if you desaturate by 10%, it is **77.6814, 0.2556, 0.3964**.

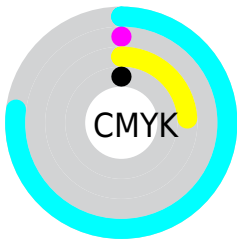
Distribution



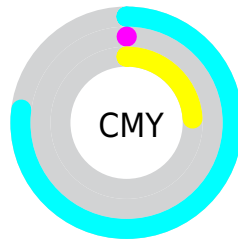
- Red (23%)
- Green (100%)
- Blue (76%)



- Red (23%)
- Yellow (69%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3448, 0.2530, 0.4084 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 76.3448, 0.2530, 0.4084 by changing the saturation by 10% instead.

 76.3448, 0.2530,
0.4084

 76.3448, 0.2530,
0.4084

482.5272, 0.2812,
0.3701

 56.7153, 0.2465,
0.4175

 128.2142, 0.2629,
0.3948


 40.7767, 0.2383,
0.4290


 161.2228, 0.2667,
0.3896

 28.1446, 0.2280,
0.4439

 199.4600, 0.2699,
0.3851

 18.4347, 0.2144,
0.4638

 243.3101, 0.2728,
0.3813

 11.2625, 0.1959,
0.4917

293.1574, 0.2753,
0.3779

 6.2437, 0.1692,
0.5335


349.3865, 0.2775,


 2.9938, 0.1256,


0.3750

0.6034


412.3816, 0.2794,
0.3724

 1.1285, 0.0000,
0.9201


 0.0021, 0.0000,
1.0000


 76.3448, 0.2530,
0.4084


 76.3448, 0.2530,
0.4084

 75.3980, 0.2524,
0.4204


 77.6814, 0.2556,
0.3964


 74.7919, 0.2538,
0.4322

 79.4701, 0.2603,
0.3846

 74.6446, 0.2544,
0.4358


 81.7486, 0.2667,
0.3732

 84.5539, 0.2747,
0.3623

 87.9191, 0.2840,
0.3522

 91.8750, 0.2942,
0.3429

 96.4497, 0.3050,
0.3344

 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.



76.3448, 0.3212, 0.4601



76.3448, 0.2530, 0.4084



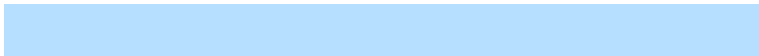
76.3448, 0.2045, 0.3295

Triad

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



76.3448, 0.2530, 0.4084



76.3448, 0.2287, 0.2161



76.3448, 0.4603, 0.3673

Complementary

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



76.3448, 0.2530, 0.4084



25.7198, 0.5012, 0.2792

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.



76.3448, 0.4317, 0.3127



76.3448, 0.2530, 0.4084



76.3448, 0.2897, 0.2304

Square

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



76.3448, 0.2530, 0.4084



76.3448, 0.1929, 0.2257



76.3448, 0.3657, 0.2645



76.3448, 0.4430, 0.4207

Rectangle

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



76.3448, 0.2530, 0.4084



76.3448, 0.1879, 0.2824



76.3448, 0.3657, 0.2645



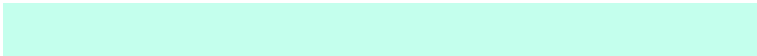
76.3448, 0.4559, 0.3488

Sweetspot

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



76.3404, 0.2530, 0.4084



89.4039, 0.2879, 0.3484



75.8945, 0.3249, 0.5550



18.8436, 0.2843, 0.3519



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.



76.3404, 0.2530, 0.4084



75.0540, 0.2529, 0.4264



58.8242, 0.2177, 0.2834



20.3797, 0.3022, 0.3365



39.0315, 0.2539, 0.4339



3.8200, 0.2501, 0.4204

Inverse Universe

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



25.7198, 0.5012, 0.2792



22.5704, 0.5536, 0.2873



29.7190, 0.5538, 0.3570



18.0801, 0.3245, 0.3216



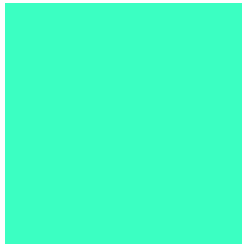
11.4292, 0.5730, 0.2930



1.1315, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 76.3448, 0.2530, 0.4084 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 76.3448, 0.2530, 0.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

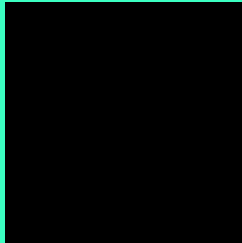
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3448, 0.2530, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 76.3448, 0.2530, 0.4084.



This preview shows how white text looks on a background with the Yxy color 76.3448, 0.2530, 0.4084.

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

76.3448, 0.2530, 0.4084

Protanopia

74.7431, 0.3535, 0.3772

Deuteranopia

74.4944, 0.3503, 0.3424



Tritanopia

75.6512, 0.2516, 0.3117

Trichromacy



Original Color

76.3448, 0.2530, 0.4084



Protanomaly

71.7616, 0.3028, 0.3908



Deuteranomaly

70.8310, 0.2998, 0.3645



Tritanomaly

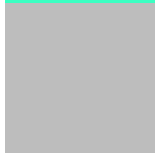
74.7654, 0.2494, 0.3434

Monochromacy



Original Color

76.3448, 0.2530, 0.4084



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1009, 0.2782, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3448, 0.2530, 0.4084 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(59, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 194)  
}
```

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(59, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 76.3448, 0.2530, 0.4084 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(59, 255, 194) }
```

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

```
.border{ border-color:rgb(59, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3448, 0.2530, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 194) }
```

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

```
.background{ background-color: rgb(59, 255,  
194) }
```

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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