

Converting Colors

$Yxy(76.4472, 0.2655, 0.3662)$

Have a look what the booklet for
Yxy(76.4472, 0.2655, 0.3662)
contains.

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Color

Yxy(76.5477, 0.2657, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	86F7D8
RGB	134, 247, 216
RGB Percent	53%, 97%, 85%
CMY	0.4743, 0.0314, 0.1529
CMYK	0.46, 0.00, 0.13, 0.03
HSL	164°, 88%, 75%
HSV	164°, 46%, 97%
XYZ	55.4945, 76.5477, 76.8192
YIQ	209.6790, -57.3970, -33.5970

Conversions

Conversions Part 2

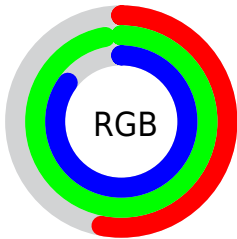
Format	Color
RYB	134, 199, 247
Decimal	8845272
CIELab	90.11, -39.48, 4.91
CIELCh	90, 39.786, 172.915
Yxy	76.5477, 0.2657, 0.3665
Android (android.graphics.Color)	4287035352 (0xFF86F7D8)
YUV	209.6790, 3.1163, -66.3705
Hunter-Lab	87.4915, -39.8905, 9.1863

Details

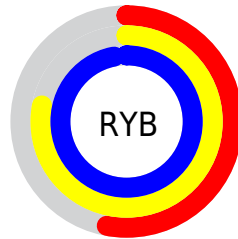
The Yxy color **76.5477, 0.2657, 0.3665** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.5596, 0.4016, 0.2959**, and the grayscale version is **64.2460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **40.8560, 0.2546, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **74.4081, 0.2587, 0.3764**, and if you desaturate by 10%, it is **79.1818, 0.2742, 0.3571**.

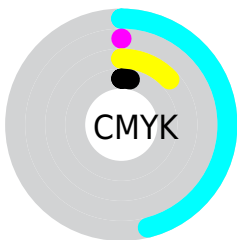
Distribution



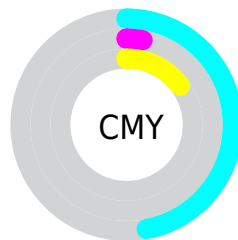
- Red (53%)
- Green (97%)
- Blue (85%)



- Red (53%)
- Yellow (78%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)




- Cyan (47%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5477, 0.2657, 0.3665 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 76.5477, 0.2657, 0.3665 by changing the saturation by 10% instead.


 76.5477, 0.2657,
0.3665

 76.5477, 0.2657,
0.3665

483.2205, 0.2874,
0.3490

 56.8817, 0.2608,
0.3705


 128.5008, 0.2732,
0.3604

 40.9103, 0.2547,
0.3756


 161.5568, 0.2761,
0.3580

 28.2490, 0.2471,
0.3819


 199.8448, 0.2786,
0.3560

 18.5134, 0.2372,
0.3904

243.7494, 0.2808,
0.3542

 11.3192, 0.2238,
0.4019

293.6548, 0.2827,
0.3527

 6.2820, 0.2048,
0.4187


349.9456, 0.2845,


 3.0173, 0.1759,

0.3513

0.4452


413.0060, 0.2860,
0.3501


 1.1408, 0.0474,
0.5389


 0.0125, 0.0000,
1.0000


 76.5477, 0.2657,
0.3665


 76.5477, 0.2657,
0.3665


 74.4081, 0.2587,
0.3764


 79.1818, 0.2742,
0.3571


 72.7203, 0.2535,
0.3866


 82.3317, 0.2840,
0.3484

 71.4492, 0.2503,
0.3971

 86.0283, 0.2947,
0.3403


 70.5506, 0.2492,
0.4075

 90.2975, 0.3060,
0.3329

 69.9695, 0.2499,
0.4179

 94.6746, 0.3161,
0.3262

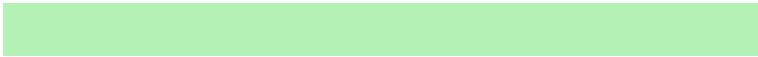
 69.7826, 0.2506,
0.4223

 94.9990, 0.3131,
0.3214

Harmonies

Analogous

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



76.5477, 0.3088, 0.4032



76.5477, 0.2657, 0.3665



76.5477, 0.2364, 0.3196

Triad

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



76.5477, 0.2657, 0.3665



76.5477, 0.2670, 0.2542



76.5477, 0.4069, 0.3673

Complementary

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



76.5477, 0.2657, 0.3665



39.5596, 0.4016, 0.2959

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.



76.5477, 0.3949, 0.3297



76.5477, 0.2657, 0.3665



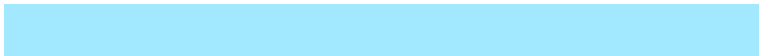
76.5477, 0.3109, 0.2675

Square

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



76.5477, 0.2657, 0.3665



76.5477, 0.2373, 0.2579



76.5477, 0.3587, 0.2944



76.5477, 0.3915, 0.3990

Rectangle

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



76.5477, 0.2657, 0.3665



76.5477, 0.2276, 0.2917



76.5477, 0.3587, 0.2944



76.5477, 0.4061, 0.3550

Sweetspot

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



76.5508, 0.2657, 0.3665



93.2317, 0.2966, 0.3390



76.3556, 0.3247, 0.4651



19.7557, 0.2942, 0.3406



0.0000, 0.0000, 0.0000



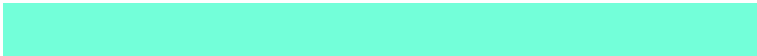
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5508, 0.2657, 0.3665



80.1324, 0.2591, 0.3757



64.3117, 0.2462, 0.2994



18.6757, 0.3017, 0.3356



36.9323, 0.2502, 0.4206



3.2632, 0.2466, 0.4076

Inverse Universe

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



39.5596, 0.4016, 0.2959



35.7722, 0.4310, 0.2903



46.1320, 0.4239, 0.3557



16.5572, 0.3250, 0.3225



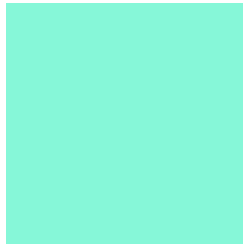
10.6976, 0.5852, 0.2998



0.9568, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 76.5477, 0.2657, 0.3665 looks on a white background.

Color Contrast Check

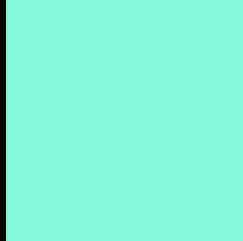
Large Text (above 18pt) WCAG AA × Fail

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 76.5477, 0.2657, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

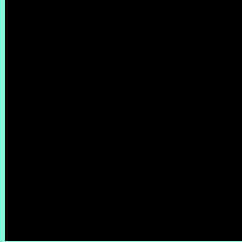
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5477, 0.2657, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 76.5477, 0.2657, 0.3665.

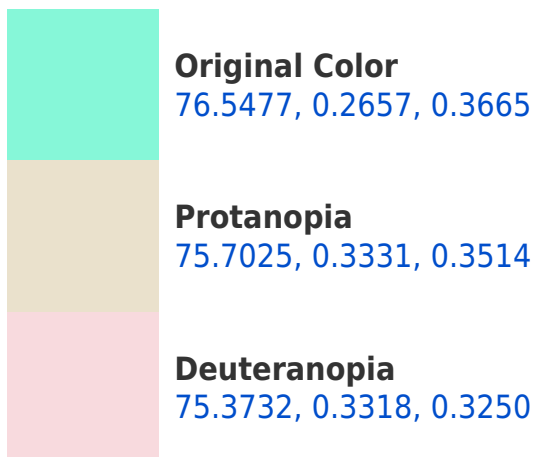


This preview shows how white text looks on a background with the Yxy color 76.5477, 0.2657, 0.3665.

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





Tritanopia

76.0505, 0.2587, 0.3098

Trichromacy



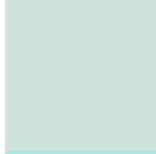
Original Color

76.5477, 0.2657, 0.3665



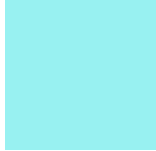
Protanomaly

74.8377, 0.3047, 0.3574



Deuteranomaly

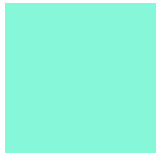
74.4713, 0.3034, 0.3390



Tritanomaly

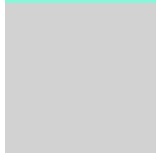
75.9369, 0.2611, 0.3288

Monochromacy



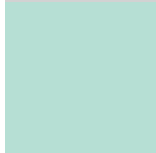
Original Color

76.5477, 0.2657, 0.3665



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.4739, 0.2917, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5477, 0.2657, 0.3665 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(134, 247, 216)` looks like.

```
.text, #text, p{  
    color:rgb(134, 247, 216)  
}
```

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(134, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 247, 216) }
```

Border

The CSS property to change the border of an element to Yxy 76.5477, 0.2657, 0.3665 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(134, 247, 216) }
```

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

```
.border{ border-color:rgb(134, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(134, 247,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5477, 0.2657, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 247, 216) }
```

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

```
.background{ background-color: rgb(134,  
247, 216) }
```

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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