

Converting Colors

$Y_{xy}(76.6550, 0.2539, 0.3662)$

Have a look what the booklet for
Yxy(76.6550, 0.2539, 0.3662)
contains.

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Color

Yxy(76.6643, 0.2537, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	6BFADC
RGB	107, 250, 220
RGB Percent	42%, 98%, 86%
CMY	0.5808, 0.0195, 0.1373
CMYK	0.57, 0.00, 0.12, 0.02
HSL	167°, 93%, 70%
HSV	167°, 57%, 98%
XYZ	53.1559, 76.6643, 79.7024
YIQ	203.8230, -75.5980, -39.6460

Conversions

Conversions Part 2

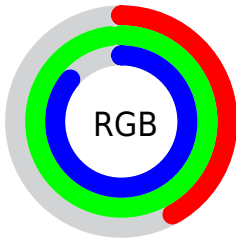
Format	Color
RYB	107, 187, 250
Decimal	7076572
CIELab	90.17, -45.67, 2.80
CIELCh	90, 45.755, 176.492
Yxy	76.6643, 0.2537, 0.3659
Android (android.graphics.Color)	4285266652 (0xFF6BFADC)
YUV	203.8230, 7.9753, -84.9138
Hunter-Lab	87.5582, -44.8608, 7.3202

Details

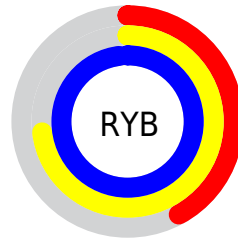
The Yxy color **76.6643, 0.2537, 0.3659** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.6217, 0.4506, 0.2989**, and the grayscale version is **60.2331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **41.1034, 0.2404, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **75.0637, 0.2483, 0.3736**, and if you desaturate by 10%, it is **78.7273, 0.2610, 0.3585**.

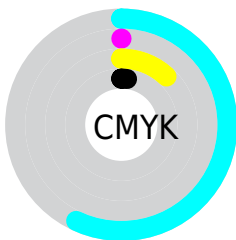
Distribution



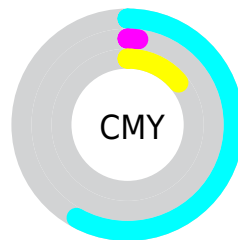
- Red (42%)
- Green (98%)
- Blue (86%)



- Red (42%)
- Yellow (73%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6643, 0.2537, 0.3659 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 76.6643, 0.2537, 0.3659 by changing the saturation by 10% instead.


 76.6643, 0.2537,
0.3659


 76.6643, 0.2537,
0.3659


483.6187, 0.2807,
0.3488


 56.9774, 0.2476,
0.3698


 128.6655, 0.2630,
0.3600

 40.9871, 0.2402,
0.3746


 161.7486, 0.2666,
0.3577

 28.3090, 0.2308,
0.3806


 200.0658, 0.2698,
0.3557

 18.5587, 0.2188,
0.3885

244.0017, 0.2725,
0.3540

 11.3519, 0.2027,
0.3992

293.9405, 0.2749,
0.3525

 6.3040, 0.1802,
0.4145

350.2667, 0.2771,

 3.0308, 0.1471,

0.3511

0.4377

413.3646, 0.2790,
0.3499

■ 1.1478, 0.0000,
0.5267

■ 0.0185, 0.0000,
1.0000

■ 76.6643, 0.2537,
0.3659

■ 76.6643, 0.2537,
0.3659

■ 75.0637, 0.2483,
0.3736

■ 78.7273, 0.2610,
0.3585

■ 73.8766, 0.2449,
0.3813

■ 81.2788, 0.2699,
0.3514

■ 73.0591, 0.2435,
0.3891


■ 84.3535, 0.2801,
0.3447


■ 72.5505, 0.2439,
0.3968

■ 87.9804, 0.2915,
0.3385

 72.4394, 0.2441,
0.3989

 92.1864, 0.3036,
0.3328

 96.6356, 0.3150,
0.3276

 96.8616, 0.3129,
0.3243

Harmonies

Analogous

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



76.6643, 0.3013, 0.4116



76.6643, 0.2537, 0.3659



76.6643, 0.2233, 0.3113

Triad

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



76.6643, 0.2537, 0.3659



76.6643, 0.2656, 0.2452



76.6643, 0.4203, 0.3764

Complementary

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



76.6643, 0.2537, 0.3659



32.6217, 0.4506, 0.2989

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.



76.6643, 0.4107, 0.3341



76.6643, 0.2537, 0.3659



76.6643, 0.3169, 0.2622

Square

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



76.6643, 0.2537, 0.3659



76.6643, 0.2300, 0.2465



76.6643, 0.3714, 0.2938



76.6643, 0.3986, 0.4118

Rectangle

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



76.6643, 0.2537, 0.3659



76.6643, 0.2154, 0.2807



76.6643, 0.3714, 0.2938



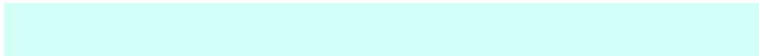
76.6643, 0.4208, 0.3626

Sweetspot

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



76.6673, 0.2537, 0.3659



92.1133, 0.2918, 0.3383



74.8351, 0.3197, 0.5058



19.5419, 0.2894, 0.3395



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.



76.6673, 0.2537, 0.3659



78.2514, 0.2475, 0.3750



55.8500, 0.2301, 0.2780



19.5426, 0.3008, 0.3340



38.4401, 0.2438, 0.3976



3.5753, 0.2412, 0.3884

Inverse Universe

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



32.6217, 0.4506, 0.2989



28.1190, 0.4980, 0.2967



42.3902, 0.4602, 0.3710



17.2848, 0.3261, 0.3240



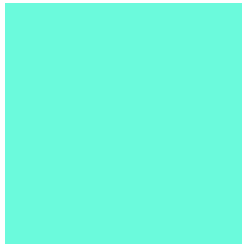
10.9308, 0.6052, 0.3107



1.0271, 0.5733, 0.2932

Previews

White Background



This preview shows how the Yxy color 76.6643, 0.2537, 0.3659 looks on a white background.

Color Contrast Check

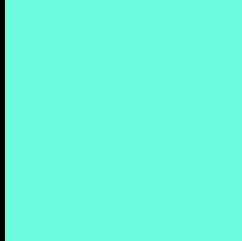
Large Text (above 18pt) WCAG AA × Fail

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 76.6643, 0.2537, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

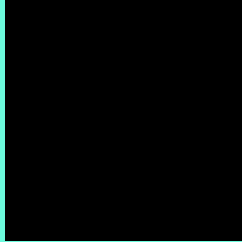
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

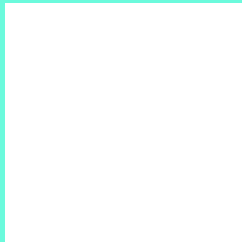
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6643, 0.2537, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 76.6643, 0.2537, 0.3659.

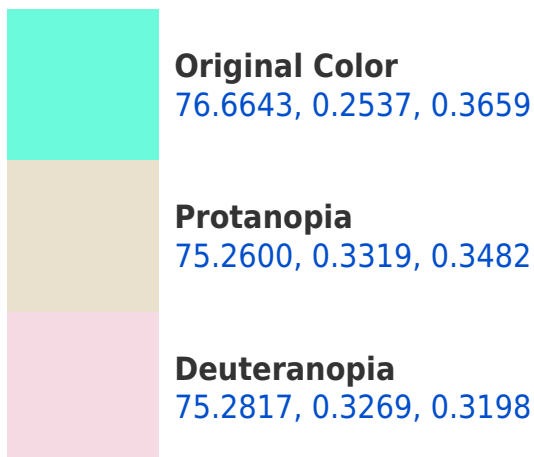


This preview shows how white text looks on a background with the Yxy color 76.6643, 0.2537, 0.3659.

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

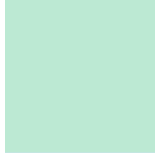
76.5087, 0.2557, 0.3119

Trichromacy



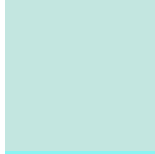
Original Color

76.6643, 0.2537, 0.3659



Protanomaly

73.6723, 0.2965, 0.3544



Deuteranomaly

73.5775, 0.2932, 0.3357



Tritanomaly

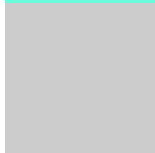
76.5154, 0.2548, 0.3312

Monochromacy



Original Color

76.6643, 0.2537, 0.3659



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.8011, 0.2845, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6643, 0.2537, 0.3659 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(107, 250, 220)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 220)  
}
```

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(107, 250, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 220) }
```

Border

The CSS property to change the border of an element to Yxy 76.6643, 0.2537, 0.3659 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(107, 250, 220) }
```

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

```
.border{ border-color:rgb(107, 250, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 250, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 250, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 250, 220);  
box-shadow:4px 4px 4px 4px rgb(107, 250,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6643, 0.2537, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 220) }
```

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

```
.background{ background-color: rgb(107,  
250, 220) }
```

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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