

Converting Colors

$Yxy(76.2534, 0.2578, 0.3469)$

Have a look what the booklet for
Yxy(76.2534, 0.2578, 0.3469)
contains.

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Color

Yxy(76.5302, 0.2581, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	84F6E6
RGB	132, 246, 230
RGB Percent	52%, 96%, 90%
CMY	0.4821, 0.0353, 0.0981
CMYK	0.46, 0.00, 0.07, 0.04
HSL	172°, 86%, 74%
HSV	172°, 46%, 96%
XYZ	56.7599, 76.5302, 86.6243
YIQ	210.0900, -62.8080, -29.1440

Conversions

Conversions Part 2

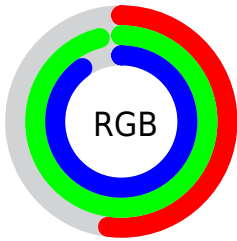
Format	Color
R_{YB}	132, 193, 246
Decimal	8713958
CIE _{Lab}	90.10, -36.29, -2.38
CIE _{LCh}	90, 36.373, 183.753
Yxy	76.5302, 0.2581, 0.3480
Android (android.graphics.Color)	4286904038 (0xFF84F6E6)
YUV	210.0900, 9.8156, -68.4849
Hunter-Lab	87.4815, -37.2781, 2.5281

Details

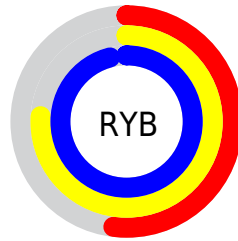
The Yxy color **76.5302, 0.2581, 0.3480** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2568, 0.4210, 0.3121**, and the grayscale version is **64.4884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **40.8299, 0.2454, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **74.5845, 0.2501, 0.3528**, and if you desaturate by 10%, it is **78.9534, 0.2678, 0.3434**.

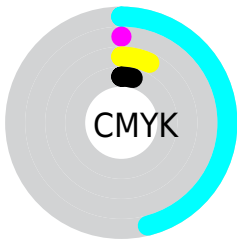
Distribution



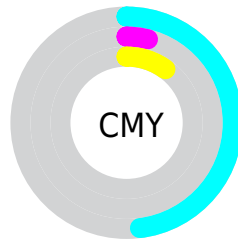
- Red (52%)
- Green (96%)
- Blue (90%)



- Red (52%)
- Yellow (76%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (48%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5302, 0.2581, 0.3480 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 76.5302, 0.2581, 0.3480 by changing the saturation by 10% instead.


 76.5302, 0.2581,
0.3480


 76.5302, 0.2581,
0.3480

483.1607, 0.2829,
0.3395


 56.8674, 0.2526,
0.3499


 128.4761, 0.2666,
0.3451

 40.8988, 0.2458,
0.3521


 161.5280, 0.2699,
0.3440

 28.2400, 0.2373,
0.3549


 199.8116, 0.2728,
0.3430

 18.5066, 0.2264,
0.3584

243.7115, 0.2754,
0.3421

 11.3143, 0.2118,
0.3630

293.6119, 0.2776,
0.3414

 6.2787, 0.1916,
0.3692


349.8973, 0.2796,


 3.0153, 0.1619,


0.3407


0.3778


412.9522, 0.2813,
0.3401


 1.1397, 0.0641,
0.4121


 0.0116, 0.0000,
0.0609


 76.5302, 0.2581,
0.3480


 76.5302, 0.2581,
0.3480


 74.5845, 0.2501,
0.3528


 78.9534, 0.2678,
0.3434


 73.0739, 0.2440,
0.3578


 81.8751, 0.2788,
0.3390


 71.9636, 0.2399,
0.3628


 85.3261, 0.2911,
0.3349


 71.2093, 0.2377,
0.3678

 89.3318, 0.3042,
0.3312

 70.7561, 0.2373,
0.3728

 93.9020, 0.3177,
0.3278

 70.6330, 0.2374,
0.3746

 94.1179, 0.3157,
0.3245

 94.3378, 0.3136,
0.3212

 94.3897, 0.3131,
0.3204

Harmonies

Analogous

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



76.5302, 0.2942, 0.3865



76.5302, 0.2581, 0.3480



76.5302, 0.2371, 0.3063

Triad

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



76.5302, 0.2581, 0.3480



76.5302, 0.2844, 0.2628



76.5302, 0.3966, 0.3762

Complementary

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



76.5302, 0.2581, 0.3480



38.2568, 0.4210, 0.3121

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.



76.5302, 0.3947, 0.3427



76.5302, 0.2581, 0.3480



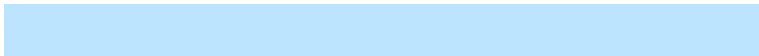
76.5302, 0.3273, 0.2801

Square

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



76.5302, 0.2581, 0.3480



76.5302, 0.2514, 0.2605



76.5302, 0.3687, 0.3084



76.5302, 0.3748, 0.4006

Rectangle

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



76.5302, 0.2581, 0.3480



76.5302, 0.2334, 0.2838



76.5302, 0.3687, 0.3084



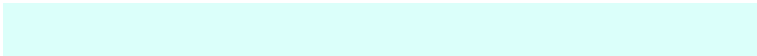
76.5302, 0.3988, 0.3656

Sweetspot

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



76.5332, 0.2581, 0.3480



93.5275, 0.2940, 0.3340



73.9828, 0.3155, 0.4711



19.8284, 0.2912, 0.3349



0.0000, 0.0000, 0.0000



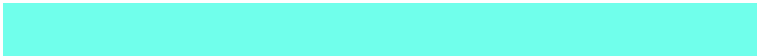
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5332, 0.2581, 0.3480



80.9713, 0.2503, 0.3527



55.7681, 0.2420, 0.2796



18.7154, 0.2999, 0.3323



37.7181, 0.2372, 0.3738



3.3258, 0.2354, 0.3675

Inverse Universe

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



38.2568, 0.4210, 0.3121



34.5662, 0.4587, 0.3094



50.7458, 0.4175, 0.3723



16.5205, 0.3271, 0.3257



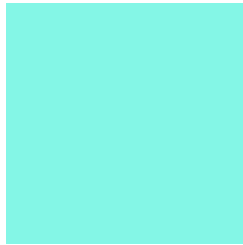
10.5333, 0.6214, 0.3197



0.9372, 0.5923, 0.3036

Previews

White Background



This preview shows how the Yxy color 76.5302, 0.2581, 0.3480 looks on a white background.

Color Contrast Check

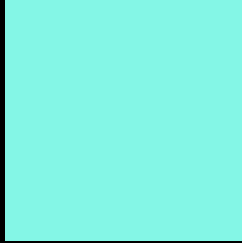
Large Text (above 18pt) WCAG AA × Fail

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 76.5302, 0.2581, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

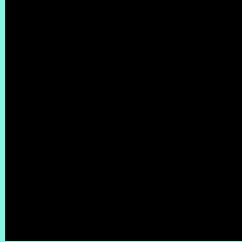
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5302, 0.2581, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 76.5302, 0.2581, 0.3480.

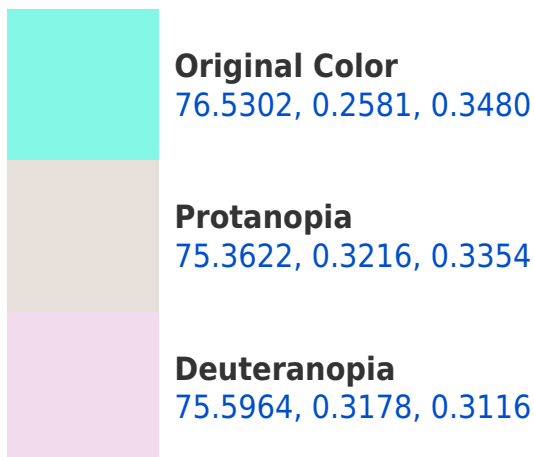


This preview shows how white text looks on a background with the Yxy color 76.5302, 0.2581, 0.3480.

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

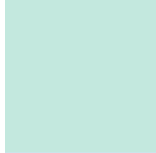
76.4266, 0.2579, 0.3109

Trichromacy



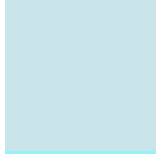
Original Color

76.5302, 0.2581, 0.3480



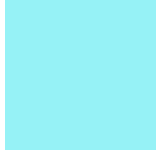
Protanomaly

74.5893, 0.2944, 0.3402



Deuteranomaly

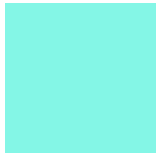
74.5357, 0.2917, 0.3234



Tritanomaly

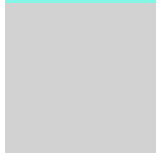
76.6421, 0.2579, 0.3242

Monochromacy



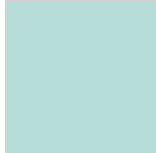
Original Color

76.5302, 0.2581, 0.3480



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.7302, 0.2887, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5302, 0.2581, 0.3480 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(132, 246, 230)` looks like.

```
.text, #text, p{  
    color:rgb(132, 246, 230)  
}
```

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(132, 246, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 246, 230) }
```

Border

The CSS property to change the border of an element to Yxy 76.5302, 0.2581, 0.3480 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(132, 246, 230) }
```

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

```
.border{ border-color:rgb(132, 246, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 246, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 246, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 246, 230);  
box-shadow:4px 4px 4px 4px rgb(132, 246,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5302, 0.2581, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 246, 230) }
```

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

```
.background{ background-color: rgb(132,  
246, 230) }
```

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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