

Converting Colors

$Yxy(76.1186, 0.2520, 0.3586)$

Have a look what the booklet for
Yxy(76.1186, 0.2520, 0.3586)
contains.

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Color

Yxy(76.3213, 0.2521, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	6CF9E0
RGB	108, 249, 224
RGB Percent	42%, 98%, 88%
CMY	0.5767, 0.0235, 0.1217
CMYK	0.57, 0.00, 0.10, 0.02
HSL	169°, 92%, 70%
HSV	169°, 57%, 98%
XYZ	53.5056, 76.3213, 82.4126
YIQ	203.9910, -76.0110, -37.6670

Conversions

Conversions Part 2

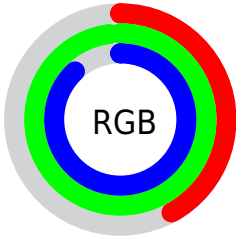
Format	Color
RYB	108, 185, 249
Decimal	7141856
CIELab	90.01, -44.08, 0.51
CIElCh	90, 44.087, 179.342
Yxy	76.3213, 0.2521, 0.3596
Android (android.graphics.Color)	4285331936 (0xFF6CF9E0)
YUV	203.9910, 9.8644, -84.1841
Hunter-Lab	87.3621, -43.5599, 5.2225

Details

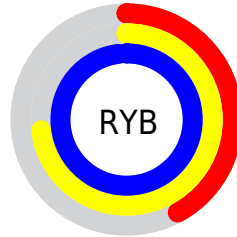
The Yxy color **76.3213, 0.2521, 0.3596** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.5474, 0.4543, 0.3039**, and the grayscale version is **60.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **40.8399, 0.2383, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **74.7440, 0.2463, 0.3660**, and if you desaturate by 10%, it is **78.3565, 0.2597, 0.3534**.

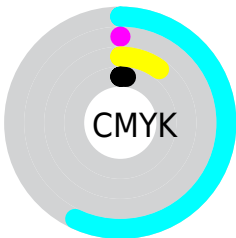
Distribution



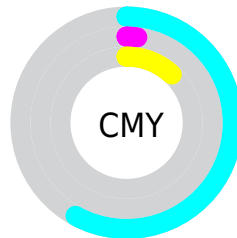
- Red (42%)
- Green (98%)
- Blue (88%)



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



- Cyan (57%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3213, 0.2521, 0.3596 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 76.3213, 0.2521, 0.3596 by changing the saturation by 10% instead.


 76.3213, 0.2521,
0.3596

 76.3213, 0.2521,
0.3596


482.4469, 0.2797,
0.3456


 56.6960, 0.2459,
0.3627

 128.1810, 0.2616,
0.3548

 40.7612, 0.2383,
0.3666


 161.1842, 0.2653,
0.3529

 28.1326, 0.2288,
0.3714


 199.4154, 0.2685,
0.3513

 18.4256, 0.2166,
0.3777


243.2592, 0.2713,
0.3499

 11.2560, 0.2003,
0.3860

293.0998, 0.2738,
0.3486

 6.2393, 0.1777,
0.3976


349.3217, 0.2760,


 2.9911, 0.1447,


0.3475


0.4147


412.3092, 0.2780,
0.3465


 1.1271, 0.0000,
0.4872

 0.0009, 0.0000,
1.0000


 76.3213, 0.2521,
0.3596

 76.3213, 0.2521,
0.3596


 74.7440, 0.2463,
0.3660


 78.3565, 0.2597,
0.3534


 73.5764, 0.2426,
0.3724


 80.8750, 0.2690,
0.3475

 72.7756, 0.2407,
0.3789

 83.9112, 0.2797,
0.3419


 72.2839, 0.2407,
0.3853


 87.4935, 0.2915,
0.3367

 72.1584, 0.2410,
0.3875

 91.6484, 0.3040,
0.3319

 95.9526, 0.3156,
0.3276

 96.2339, 0.3130,
0.3234

 96.2395, 0.3130,
0.3233

Harmonies

Analogous

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



76.3213, 0.2970, 0.4053



76.3213, 0.2521, 0.3596



76.3213, 0.2245, 0.3074

Triad

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



76.3213, 0.2521, 0.3596



76.3213, 0.2714, 0.2486



76.3213, 0.4159, 0.3788

Complementary

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



76.3213, 0.2521, 0.3596



32.5474, 0.4543, 0.3039

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.



76.3213, 0.4095, 0.3381



76.3213, 0.2521, 0.3596



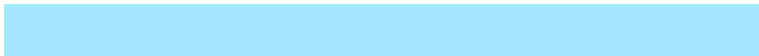
76.3213, 0.3220, 0.2667

Square

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



76.3213, 0.2521, 0.3596



76.3213, 0.2351, 0.2482



76.3213, 0.3739, 0.2984



76.3213, 0.3925, 0.4116

Rectangle

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



76.3213, 0.2521, 0.3596



76.3213, 0.2182, 0.2790



76.3213, 0.3739, 0.2984



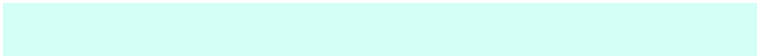
76.3213, 0.4173, 0.3656

Sweetspot

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



76.3243, 0.2521, 0.3596



92.1994, 0.2910, 0.3369



73.8931, 0.3171, 0.5052



19.5624, 0.2886, 0.3379



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.



76.3243, 0.2521, 0.3596



78.6899, 0.2457, 0.3669



53.3722, 0.2295, 0.2725



19.5526, 0.3004, 0.3332



38.6398, 0.2407, 0.3864



3.5921, 0.2385, 0.3787

Inverse Universe

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



32.5474, 0.4543, 0.3039



28.4127, 0.5017, 0.3022



43.8795, 0.4546, 0.3756



17.2755, 0.3266, 0.3248



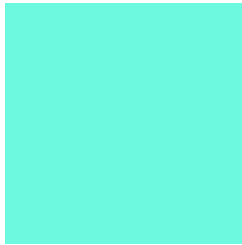
10.8931, 0.6135, 0.3153



1.0223, 0.5832, 0.2986

Previews

White Background



This preview shows how the Yxy color 76.3213, 0.2521, 0.3596 looks on a white background.

Color Contrast Check

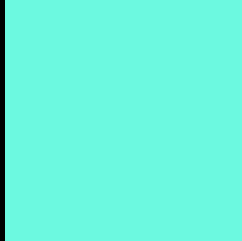
Large Text (above 18pt) WCAG AA × Fail

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 76.3213, 0.2521, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

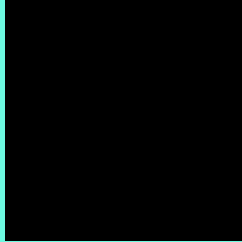
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

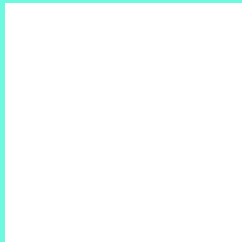
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3213, 0.2521, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 76.3213, 0.2521, 0.3596.



This preview shows how white text looks on a background with the Yxy color 76.3213, 0.2521, 0.3596.

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

76.3213, 0.2521, 0.3596

Protanopia

75.1203, 0.3277, 0.3440

Deuteranopia

75.1454, 0.3227, 0.3157



Tritanopia

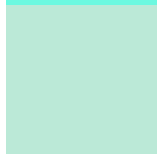
75.7253, 0.2546, 0.3107

Trichromacy



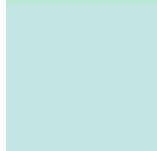
Original Color

76.3213, 0.2521, 0.3596



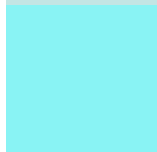
Protanomaly

73.7489, 0.2935, 0.3497



Deuteranomaly

73.2422, 0.2908, 0.3301



Tritanomaly

75.9512, 0.2532, 0.3277

Monochromacy



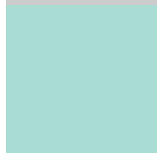
Original Color

76.3213, 0.2521, 0.3596



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.3246, 0.2838, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3213, 0.2521, 0.3596 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(108, 249, 224)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 224)  
}
```

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(108, 249, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 224) }
```

Border

The CSS property to change the border of an element to Yxy 76.3213, 0.2521, 0.3596 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(108, 249, 224) }
```

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

```
.border{ border-color:rgb(108, 249, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 224);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3213, 0.2521, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 224) }
```

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

```
.background{ background-color: rgb(108,  
249, 224) }
```

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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