

Converting Colors

$Y_{xy}(77.1963, 0.2504, 0.3845)$

Have a look what the booklet for
Yxy(77.1963, 0.2504, 0.3845)
contains.

Yxy(77.1565, 0.2503, 0.3846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.1565, 0.2503, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	4EFED2
RGB	78, 254, 210
RGB Percent	31%, 100%, 82%
CMY	0.6945, 0.0039, 0.1763
CMYK	0.69, 0.00, 0.17, 0.00
HSL	165°, 99%, 65%
HSV	165°, 69%, 100%
XYZ	50.2139, 77.1565, 73.2445
YIQ	196.3600, -90.7720, -50.9960

Conversions

Conversions Part 2

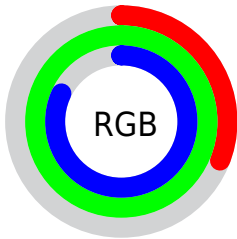
Format	Color
RYB	78, 179, 254
Decimal	5177042
CIELab	90.39, -54.39, 8.20
CIELCh	90, 55.005, 171.430
Yxy	77.1565, 0.2503, 0.3846
Android (android.graphics.Color)	4283367122 (0xFF4EFED2)
YUV	196.3600, 6.7245, -103.8017
Hunter-Lab	87.8388, -51.6765, 12.0481

Details

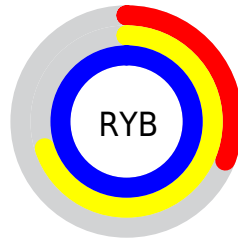
The Yxy color **77.1565, 0.2503, 0.3846** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.9087, 0.4892, 0.2899**, and the grayscale version is **55.4153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **41.8802, 0.2433, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **75.9775, 0.2476, 0.3940**, and if you desaturate by 10%, it is **78.7679, 0.2550, 0.3753**.

Distribution



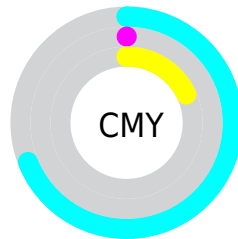
- Red (31%)
- Green (100%)
- Blue (82%)



- Red (31%)
- Yellow (70%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1565, 0.2503, 0.3846 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 77.1565, 0.2503, 0.3846 by changing the saturation by 10% instead.


 77.1565, 0.2503,
0.3846

 77.1565, 0.2503,
0.3846


485.2975, 0.2791,
0.3584


 57.3813, 0.2438,
0.3907


 129.3604, 0.2603,
0.3754


 41.3115, 0.2357,
0.3983


 162.5579, 0.2641,
0.3719

 28.5625, 0.2256,
0.4080


 200.9983, 0.2675,
0.3688

 18.7501, 0.2125,
0.4208

 245.0659, 0.2704,
0.3662

 11.4899, 0.1949,
0.4385

295.1453, 0.2730,
0.3639

 6.3974, 0.1703,
0.4643


351.6207, 0.2752,


 3.0882, 0.1338,


0.3618


0.5050


414.8767, 0.2773,
0.3600


 1.1779, 0.0000,
0.6341


 0.0436, 0.0000,
1.0000


 77.1565, 0.2503,
0.3846


 77.1565, 0.2503,
0.3846

 75.9775, 0.2476,
0.3940


 78.7679, 0.2550,
0.3753


 75.1709, 0.2470,
0.4035


 80.8455, 0.2615,
0.3662

 74.6621, 0.2481,
0.4128

 83.4297, 0.2698,
0.3576

 74.6326, 0.2482,
0.4134

 86.5543, 0.2794,
0.3494

 90.2500, 0.2901,
0.3418

 94.5452, 0.3015,
0.3349

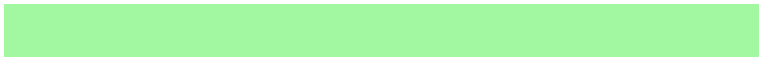
99.3323, 0.3131,
0.3286

99.3689, 0.3128,
0.3281

Harmonies

Analogous

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



77.1565, 0.3085, 0.4362



77.1565, 0.2503, 0.3846



77.1565, 0.2113, 0.3171

Triad

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



77.1565, 0.2503, 0.3846



77.1565, 0.2479, 0.2294



77.1565, 0.4422, 0.3747

Complementary

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



77.1565, 0.2503, 0.3846



27.9087, 0.4892, 0.2899

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.



77.1565, 0.4247, 0.3253



77.1565, 0.2503, 0.3846



77.1565, 0.3060, 0.2460

Square

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



77.1565, 0.2503, 0.3846



77.1565, 0.2107, 0.2340



77.1565, 0.3725, 0.2800



77.1565, 0.4209, 0.4199

Rectangle

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



77.1565, 0.2503, 0.3846



77.1565, 0.1995, 0.2785



77.1565, 0.3725, 0.2800



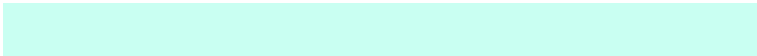
77.1565, 0.4409, 0.3582

Sweetspot

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



77.1595, 0.2503, 0.3846



90.3886, 0.2882, 0.3430



75.5697, 0.3207, 0.5405



19.1197, 0.2852, 0.3451



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.



77.1595, 0.2503, 0.3846



76.3130, 0.2472, 0.3975



54.8555, 0.2193, 0.2730



20.3994, 0.3013, 0.3350



39.3692, 0.2477, 0.4119



3.8507, 0.2448, 0.4012

Inverse Universe

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



27.9087, 0.4892, 0.2899



23.8613, 0.5429, 0.2928



35.5220, 0.5116, 0.3694



18.0615, 0.3255, 0.3231



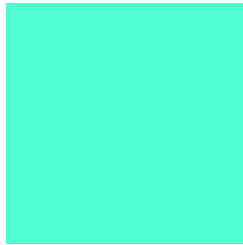
11.3201, 0.5937, 0.3044



1.1188, 0.5622, 0.2871

Previews

White Background



This preview shows how the Yxy color 77.1565, 0.2503, 0.3846 looks on a white background.

Color Contrast Check

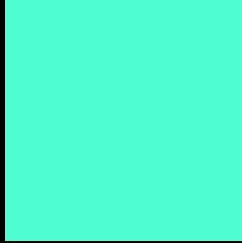
Large Text (above 18pt) WCAG AA × Fail

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 77.1565, 0.2503, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

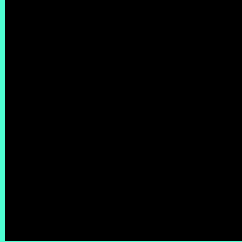
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1565, 0.2503, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 77.1565, 0.2503, 0.3846.

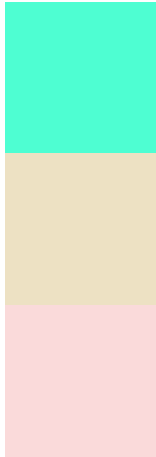


This preview shows how white text looks on a background with the Yxy color 77.1565, 0.2503, 0.3846.

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

77.1565, 0.2503, 0.3846

Protanopia

75.7951, 0.3415, 0.3610

Deuteranopia

75.5288, 0.3361, 0.3291



Tritanopia

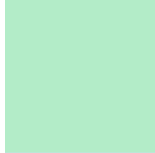
76.3125, 0.2548, 0.3118

Trichromacy



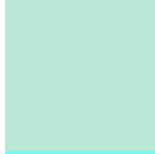
Original Color

77.1565, 0.2503, 0.3846



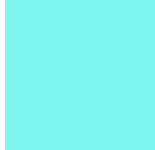
Protanomaly

73.7447, 0.2973, 0.3715



Deuteranomaly

72.6229, 0.2934, 0.3474



Tritanomaly

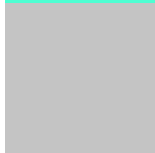
75.9724, 0.2513, 0.3360

Monochromacy



Original Color

77.1565, 0.2503, 0.3846



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.6151, 0.2795, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1565, 0.2503, 0.3846 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(78, 254, 210)` looks like.

```
.text, #text, p{  
    color:rgb(78, 254, 210)  
}
```

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(78, 254, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 254, 210) }
```

Border

The CSS property to change the border of an element to Yxy 77.1565, 0.2503, 0.3846 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(78, 254, 210) }
```

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

```
.border{ border-color:rgb(78, 254, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 254, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 254, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 254, 210);  
box-shadow:4px 4px 4px 4px rgb(78, 254,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1565, 0.2503, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 254, 210) }
```

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

```
.background{ background-color: rgb(78, 254,  
210) }
```

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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