

Converting Colors

$Y_{xy}(70.1365, 0.2479, 0.4112)$

Have a look what the booklet for
Yxy(70.1365, 0.2479, 0.4112)
contains.

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Color

Yxy(70.1546, 0.2478, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	08F7BB
RGB	8, 247, 187
RGB Percent	3%, 97%, 73%
CMY	0.9686, 0.0314, 0.2666
CMYK	0.97, 0.00, 0.24, 0.03
HSL	165°, 94%, 50%
HSV	165°, 97%, 97%
XYZ	42.3285, 70.1546, 58.3341
YIQ	168.6990, -123.1840, -69.3280

Conversions

Conversions Part 2

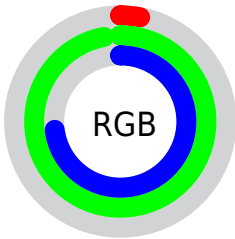
Format	Color
RYB	8, 145, 247
Decimal	587707
CIELab	87.07, -62.45, 15.27
CIELCh	87, 64.291, 166.256
Yxy	70.1546, 0.2478, 0.4107
Android (android.graphics.Color)	4278777787 (0xFF08F7BB)
YUV	168.6990, 9.0224, -140.9330
Hunter-Lab	83.7583, -56.3695, 17.3379

Details

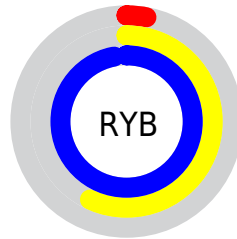
The Yxy color **70.1546, 0.2478, 0.4107** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.3634, 0.5879, 0.3032**, and the grayscale version is **39.5178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6359, 0.2478, 0.3429**, and **38.1164, 0.2518, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **70.0204, 0.2483, 0.4137**, and if you desaturate by 10%, it is **70.6953, 0.2471, 0.4013**.

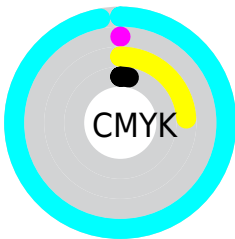
Distribution



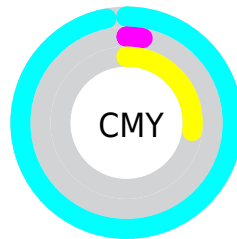
- Red (3%)
- Green (97%)
- Blue (73%)



- Red (3%)
- Yellow (57%)
- Blue (97%)



- Cyan (97%)
- Magenta (0%)
- Yellow (24%)
- Black (3%)




- Cyan (97%)
- Magenta (3%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1546, 0.2478, 0.4107 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 70.1546, 0.2478, 0.4107 by changing the saturation by 10% instead.

 70.1546, 0.2478,
0.4107


 70.1546, 0.2478,
0.4107


461.0926, 0.2788,
0.3707

 51.6526, 0.2405,
0.4204


 119.4292, 0.2587,
0.3964


 36.7282, 0.2314,
0.4327


 150.9706, 0.2629,
0.3909

 24.9971, 0.2198,
0.4487


 187.6272, 0.2665,
0.3863

 16.0749, 0.2043,
0.4704

 229.7834, 0.2696,
0.3823

 9.5772, 0.1831,
0.5013

 277.8237, 0.2724,
0.3788

 5.1195, 0.1523,
0.5484


332.1324, 0.2748,

 2.3176, 0.0760,

0.3758


0.6474


393.0939, 0.2769,
0.3731


 0.7830, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.1546, 0.2478,
0.4107


 70.1546, 0.2478,
0.4107

 70.0204, 0.2483,
0.4137

 70.6953, 0.2471,
0.4013


 71.5414, 0.2483,
0.3919

 72.7525, 0.2514,
0.3824


 74.3740, 0.2566,
0.3731

 76.4441, 0.2636,
0.3641

 78.9971, 0.2722,
0.3555

 82.0635, 0.2821,
0.3475

 85.6714, 0.2930,
0.3400

 89.8469, 0.3046,
0.3332

Harmonies

Analogous

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



70.1546, 0.3187, 0.4670



70.1546, 0.2478, 0.4107



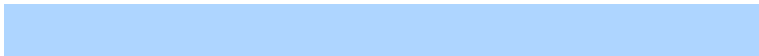
70.1546, 0.1982, 0.3267

Triad

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



70.1546, 0.2478, 0.4107



70.1546, 0.2262, 0.2113



70.1546, 0.4679, 0.3698

Complementary

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



70.1546, 0.2478, 0.4107



20.3634, 0.5879, 0.3032

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.



70.1546, 0.4396, 0.3130



70.1546, 0.2478, 0.4107



70.1546, 0.2906, 0.2269

Square

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



70.1546, 0.2478, 0.4107



70.1546, 0.1884, 0.2201



70.1546, 0.3707, 0.2628



70.1546, 0.4478, 0.4257

Rectangle

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



70.1546, 0.2478, 0.4107



70.1546, 0.1818, 0.2776



70.1546, 0.3707, 0.2628



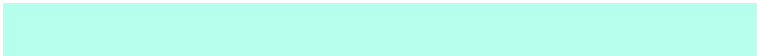
70.1546, 0.4640, 0.3506

Sweetspot

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



70.1573, 0.2478, 0.4107



87.4317, 0.2797, 0.3492



67.9018, 0.3118, 0.5889



18.4095, 0.2755, 0.3527



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.



70.1573, 0.2478, 0.4107



75.2821, 0.2483, 0.4139



44.1271, 0.2040, 0.2531



18.6826, 0.3014, 0.3350



37.0580, 0.2478, 0.4122



3.2734, 0.2446, 0.4004

Inverse Universe

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



20.3634, 0.5879, 0.3032



21.6300, 0.5973, 0.3064



23.4303, 0.6068, 0.3535



16.5507, 0.3254, 0.3231



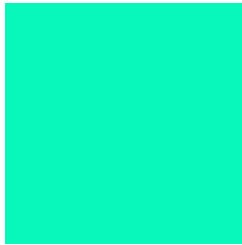
10.6608, 0.5928, 0.3039



0.9528, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 70.1546, 0.2478, 0.4107 looks on a white background.

Color Contrast Check

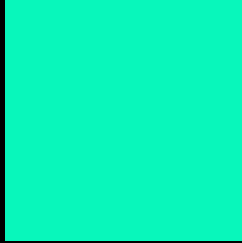
Large Text (above 18pt) WCAG AA × Fail

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 70.1546, 0.2478, 0.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

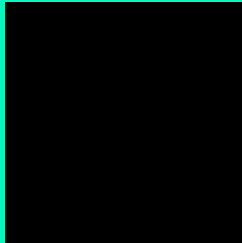
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1546, 0.2478, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 70.1546, 0.2478, 0.4107.

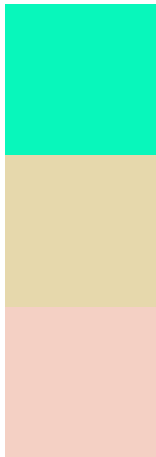


This preview shows how white text looks on a background with the Yxy color 70.1546, 0.2478, 0.4107.

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

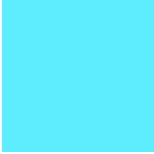
70.1610, 0.2478, 0.4107

Protanopia

68.9133, 0.3542, 0.3777

Deuteranopia

68.3304, 0.3493, 0.3418



Tritanopia

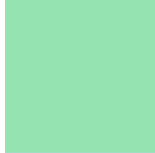
70.1155, 0.2315, 0.3071

Trichromacy



Original Color

70.1610, 0.2478, 0.4107



Protanomaly

64.5021, 0.2918, 0.3937



Deuteranomaly

63.3619, 0.2877, 0.3657



Tritanomaly

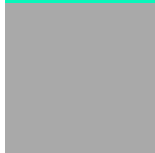
69.6479, 0.2349, 0.3428

Monochromacy



Original Color

70.1610, 0.2478, 0.4107



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.3821, 0.2657, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1546, 0.2478, 0.4107 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(8, 247, 187)` looks like.

```
.text, #text, p{  
    color:rgb(8, 247, 187)  
}
```

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(8, 247, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 247, 187) }
```

Border

The CSS property to change the border of an element to Yxy 70.1546, 0.2478, 0.4107 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(8, 247, 187) }
```

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

```
.border{ border-color:rgb(8, 247, 187) }
```

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

Here you see how a box with a 4 pixel rgb(8, 247, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 247, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 247, 187);  
box-shadow:4px 4px 4px 4px rgb(8, 247,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1546, 0.2478, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 247, 187) }
```

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

```
.background{ background-color: rgb(8, 247,  
187) }
```

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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