

Converting Colors

$Yxy(76.0861, 0.2578, 0.4206)$

Have a look what the booklet for
Yxy(76.0861, 0.2578, 0.4206)
contains.

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Color

Yxy(76.1128, 0.2578, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	40FFB9
RGB	64, 255, 185
RGB Percent	25%, 100%, 73%
CMY	0.7491, 0.0000, 0.2745
CMYK	0.75, 0.00, 0.27, 0.00
HSL	158°, 100%, 63%
HSV	158°, 75%, 100%
XYZ	46.6299, 76.1128, 58.1337
YIQ	189.9110, -91.3660, -62.2620

Conversions

Conversions Part 2

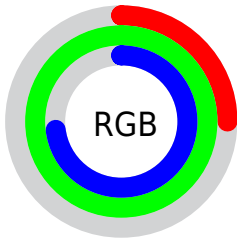
Format	Color
RYB	64, 181, 255
Decimal	4259769
CIELab	89.91, -62.17, 20.36
CIELCh	90, 65.416, 161.870
Yxy	76.1128, 0.2578, 0.4208
Android (android.graphics.Color)	4282449849 (0xFF40FFB9)
YUV	189.9110, -2.4211, -110.4239
Hunter-Lab	87.2427, -57.2690, 21.5623

Details

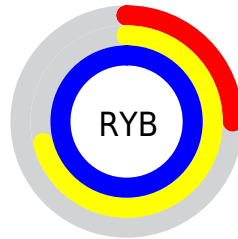
The Yxy color **76.1128, 0.2578, 0.4208** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **26.6443, 0.4775, 0.2686**, and the grayscale version is **51.4874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1892, 0.2569, 0.3450**, and **41.5984, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **75.0623, 0.2573, 0.4352**, and if you desaturate by 10%, it is **77.5781, 0.2604, 0.4064**.

Distribution



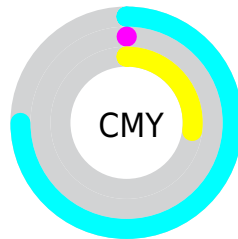
- Red (25%)
- Green (100%)
- Blue (73%)



- Red (25%)
- Yellow (71%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1128, 0.2578, 0.4208 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 76.1128, 0.2578, 0.4208 by changing the saturation by 10% instead.

 76.1128, 0.2578,
0.4208


 76.1128, 0.2578,
0.4208


481.7337, 0.2842,
0.3760


 56.5250, 0.2516,
0.4316


 127.8863, 0.2671,
0.4048

 40.6240, 0.2438,
0.4452


 160.8409, 0.2707,
0.3987

 28.0254, 0.2338,
0.4628

 199.0198, 0.2737,
0.3936

 18.3448, 0.2204,
0.4865

 242.8075, 0.2764,
0.3891

 11.1978, 0.2020,
0.5201

292.5883, 0.2787,
0.3852

 6.2001, 0.1749,
0.5705


348.7467, 0.2807,


 2.9671, 0.1277,


0.3818


0.6562

411.6671, 0.2825,
0.3788


 1.1146, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 76.1128, 0.2578,
0.4208


 76.1128, 0.2578,
0.4208

 75.0623, 0.2573,
0.4352


 77.5781, 0.2604,
0.4064


 74.3702, 0.2588,
0.4493

 79.5080, 0.2649,
0.3923


 74.1131, 0.2601,
0.4563


 81.9427, 0.2712,
0.3788

 84.9185, 0.2790,
0.3660

 88.4685, 0.2878,
0.3542

 92.6227, 0.2975,
0.3433

 97.4092, 0.3076,
0.3335

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.1128, 0.3297, 0.4690



76.1128, 0.2578, 0.4208



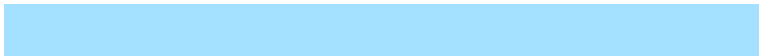
76.1128, 0.2046, 0.3388

Triad

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



76.1128, 0.2578, 0.4208



76.1128, 0.2197, 0.2119



76.1128, 0.4654, 0.3613

Complementary

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



76.1128, 0.2578, 0.4208



26.6443, 0.4775, 0.2686

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.



76.1128, 0.4303, 0.3054



76.1128, 0.2578, 0.4208



76.1128, 0.2801, 0.2240

Square

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



76.1128, 0.2578, 0.4208



76.1128, 0.1862, 0.2246



76.1128, 0.3585, 0.2571



76.1128, 0.4522, 0.4174

Rectangle

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



76.1128, 0.2578, 0.4208



76.1128, 0.1853, 0.2878



76.1128, 0.3585, 0.2571



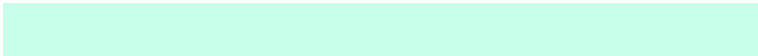
76.1128, 0.4591, 0.3422

Sweetspot

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



76.1121, 0.2578, 0.4208



89.6145, 0.2906, 0.3509



76.9596, 0.3306, 0.5469



18.9524, 0.2880, 0.3540



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.



76.1121, 0.2578, 0.4208



74.6698, 0.2578, 0.4424



64.6415, 0.2222, 0.2972



20.3619, 0.3029, 0.3379



38.7554, 0.2595, 0.4540



3.7945, 0.2550, 0.4381

Inverse Universe

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



26.6443, 0.4775, 0.2686



23.0938, 0.5270, 0.2741



28.8489, 0.5540, 0.3492



18.0971, 0.3236, 0.3203



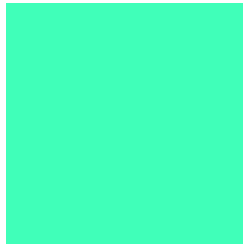
11.5520, 0.5519, 0.2814



1.1449, 0.5207, 0.2642

Previews

White Background



This preview shows how the Yxy color 76.1128, 0.2578, 0.4208 looks on a white background.

Color Contrast Check

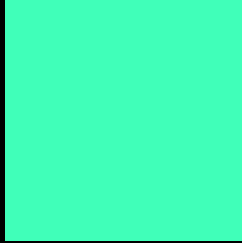
Large Text (above 18pt) WCAG AA × Fail

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 76.1128, 0.2578, 0.4208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

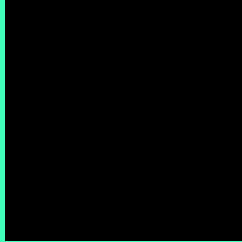
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1128, 0.2578, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 76.1128, 0.2578, 0.4208.

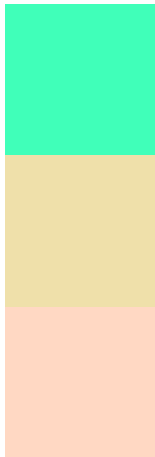


This preview shows how white text looks on a background with the Yxy color 76.1128, 0.2578, 0.4208.

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

76.1128, 0.2578, 0.4208

Protanopia

74.5643, 0.3605, 0.3867

Deuteranopia

74.3119, 0.3569, 0.3506



Tritanopia

75.5599, 0.2512, 0.3117

Trichromacy



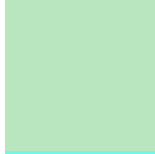
Original Color

76.1128, 0.2578, 0.4208



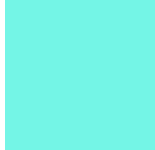
Protanomaly

71.6258, 0.3093, 0.4019



Deuteranomaly

70.7943, 0.3072, 0.3753



Tritanomaly

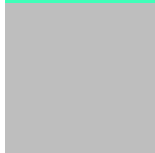
74.7310, 0.2514, 0.3471

Monochromacy



Original Color

76.1128, 0.2578, 0.4208



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6533, 0.2813, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1128, 0.2578, 0.4208 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(64, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 185)  
}
```

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(64, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 76.1128, 0.2578, 0.4208 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(64, 255, 185) }
```

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

```
.border{ border-color:rgb(64, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1128, 0.2578, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 185) }
```

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

```
.background{ background-color: rgb(64, 255,  
185) }
```

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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