

Converting Colors

$Yxy(78.4682, 0.2647, 0.4036)$

Have a look what the booklet for
Yxy(78.4682, 0.2647, 0.4036)
contains.

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Color

Yxy(78.5088, 0.2647, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	69FFC4
RGB	105, 255, 196
RGB Percent	41%, 100%, 77%
CMY	0.5886, 0.0000, 0.2313
CMYK	0.59, 0.00, 0.23, 0.00
HSL	156°, 100%, 71%
HSV	156°, 59%, 100%
XYZ	51.5409, 78.5088, 64.6646
YIQ	203.4240, -70.4610, -50.1490

Conversions

Conversions Part 2

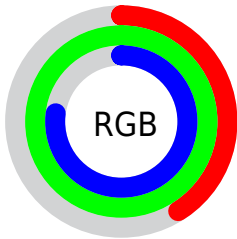
Format	Color
RYB	105, 198, 255
Decimal	6946756
CIELab	91.01, -53.53, 16.39
CIELCh	91, 55.979, 162.974
Yxy	78.5088, 0.2647, 0.4032
Android (android.graphics.Color)	4285136836 (0xFF69FFC4)
YUV	203.4240, -3.6600, -86.3178
Hunter-Lab	88.6052, -51.2272, 18.7534

Details

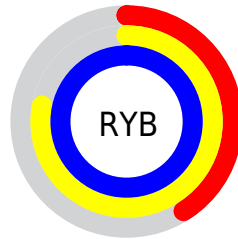
The Yxy color **78.5088, 0.2647, 0.4032** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.0192, 0.4210, 0.2703**, and the grayscale version is **60.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8273, 0.2647, 0.3310**, and **42.0677, 0.2529, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **76.7440, 0.2611, 0.4185**, and if you desaturate by 10%, it is **80.7552, 0.2701, 0.3883**.

Distribution



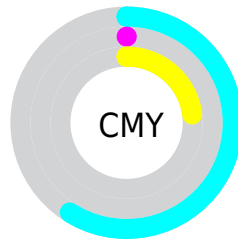
- Red (41%)
- Green (100%)
- Blue (77%)



- Red (41%)
- Yellow (78%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (59%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5088, 0.2647, 0.4032 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 78.5088, 0.2647, 0.4032 by changing the saturation by 10% instead.


 78.5088, 0.2647,
0.4032

 78.5088, 0.2647,
0.4032

489.8931, 0.2874,
0.3676

 58.4920, 0.2594,
0.4116


 131.2671, 0.2727,
0.3906

 42.2043, 0.2529,
0.4222

 164.7775, 0.2757,
0.3858

 29.2613, 0.2445,
0.4359


 203.5545, 0.2784,
0.3816

 19.2786, 0.2334,
0.4541

247.9825, 0.2806,
0.3781

 11.8718, 0.2182,
0.4797

298.4460, 0.2826,
0.3749

 6.6564, 0.1961,
0.5177


355.3293, 0.2844,


 3.2482, 0.1616,


0.3722


0.5795

419.0169, 0.2860,
0.3698


 1.2626, 0.0000,
0.8744


 0.1120, 0.0000,
1.0000


 78.5088, 0.2647,
0.4032


 78.5088, 0.2647,
0.4032

 76.7440, 0.2611,
0.4185


 80.7552, 0.2701,
0.3883

 75.4346, 0.2596,
0.4341


 83.5385, 0.2770,
0.3742


 74.5235, 0.2601,
0.4495

 86.8872, 0.2852,
0.3610

 73.9363, 0.2625,
0.4644

 90.8327, 0.2943,
0.3489

 73.8791, 0.2628,
0.4661

 95.4039, 0.3039,
0.3378

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.



78.5088, 0.3266, 0.4452



78.5088, 0.2647, 0.4032



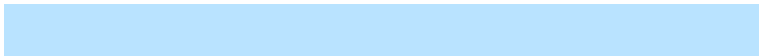
78.5088, 0.2188, 0.3358

Triad

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



78.5088, 0.2647, 0.4032



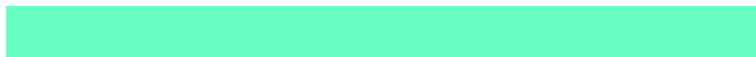
78.5088, 0.2342, 0.2273



78.5088, 0.4429, 0.3610

Complementary

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



78.5088, 0.2647, 0.4032



34.0192, 0.4210, 0.2703

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.



78.5088, 0.4140, 0.3115



78.5088, 0.2647, 0.4032



78.5088, 0.2877, 0.2385

Square

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



78.5088, 0.2647, 0.4032



78.5088, 0.2035, 0.2386



78.5088, 0.3545, 0.2683



78.5088, 0.4317, 0.4090

Rectangle

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



78.5088, 0.2647, 0.4032



78.5088, 0.2019, 0.2932



78.5088, 0.3545, 0.2683



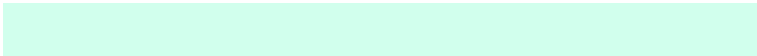
78.5088, 0.4376, 0.3442

Sweetspot

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



78.5030, 0.2647, 0.4032



91.2020, 0.2951, 0.3479



80.5308, 0.3355, 0.5021



19.2583, 0.2924, 0.3512



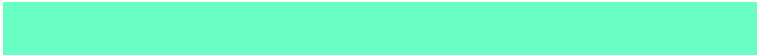
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.5030, 0.2647, 0.4032



76.4280, 0.2606, 0.4219



72.5315, 0.2359, 0.3109



20.3534, 0.3033, 0.3385



38.6337, 0.2621, 0.4636



3.7831, 0.2574, 0.4465

Inverse Universe

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



34.0192, 0.4210, 0.2703



28.1985, 0.4574, 0.2643



35.6892, 0.4867, 0.3440



18.1053, 0.3232, 0.3197



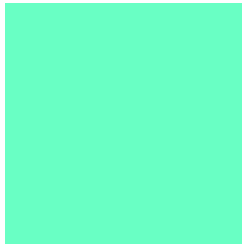
11.6191, 0.5413, 0.2755



1.1521, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 78.5088, 0.2647, 0.4032 looks on a white background.

Color Contrast Check

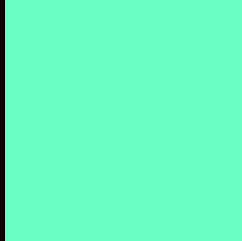
Large Text (above 18pt) WCAG AA × Fail

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 78.5088, 0.2647, 0.4032 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 78.5088, 0.2647, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 78.5088, 0.2647, 0.4032.

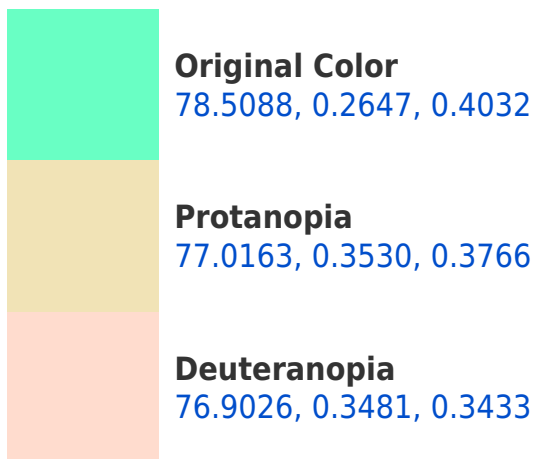


This preview shows how white text looks on a background with the Yxy color 78.5088, 0.2647, 0.4032.

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

77.5395, 0.2605, 0.3121

Trichromacy



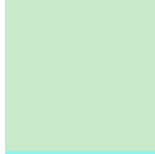
Original Color

78.5088, 0.2647, 0.4032



Protanomaly

75.3627, 0.3133, 0.3871



Deuteranomaly

74.8215, 0.3097, 0.3643



Tritanomaly

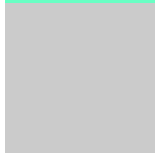
77.0850, 0.2609, 0.3418

Monochromacy



Original Color

78.5088, 0.2647, 0.4032



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6282, 0.2892, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5088, 0.2647, 0.4032 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(105, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 196)  
}
```

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(105, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 78.5088, 0.2647, 0.4032 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(105, 255, 196) }
```

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

```
.border{ border-color:rgb(105, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(105, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5088, 0.2647, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 196) }
```

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

```
.background{ background-color: rgb(105,  
255, 196) }
```

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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