

Converting Colors

$Yxy(72.6638, 0.2596, 0.4014)$

Have a look what the booklet for
Yxy(72.6638, 0.2596, 0.4014)
contains.

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Color

Yxy(72.4511, 0.2595, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	59F7C0
RGB	89, 247, 192
RGB Percent	35%, 97%, 75%
CMY	0.6508, 0.0314, 0.2471
CMYK	0.64, 0.00, 0.22, 0.03
HSL	159°, 91%, 66%
HSV	159°, 64%, 97%
XYZ	46.8971, 72.4511, 61.3729
YIQ	193.4880, -76.5130, -50.6010

Conversions

Conversions Part 2

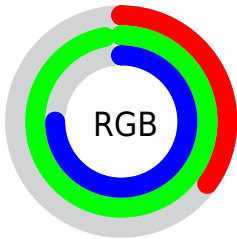
Format	Color
RYB	89, 185, 247
Decimal	5896128
CIELab	88.19, -53.98, 14.42
CIELCh	88, 55.868, 165.042
Yxy	72.4511, 0.2595, 0.4009
Android (android.graphics.Color)	4284086208 (0xFF59F7C0)
YUV	193.4880, -0.7336, -91.6360
Hunter-Lab	85.1182, -50.6097, 16.8328

Details

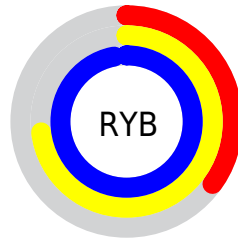
The Yxy color **72.4511, 0.2595, 0.4009** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.9439, 0.4455, 0.2745**, and the grayscale version is **53.6779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0696, 0.2606, 0.3367**, and **38.6619, 0.2501, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **71.0590, 0.2565, 0.4145**, and if you desaturate by 10%, it is **74.2810, 0.2644, 0.3877**.

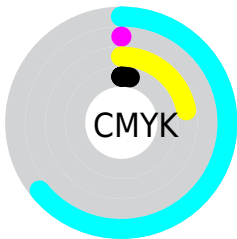
Distribution



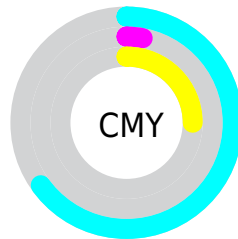
- Red (35%)
- Green (97%)
- Blue (75%)



- Red (35%)
- Yellow (73%)
- Blue (97%)



- Cyan (64%)
- Magenta (0%)
- Yellow (22%)
- Black (3%)





- Cyan (65%)
- Magenta (3%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4511, 0.2595, 0.4009 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 72.4511, 0.2595, 0.4009 by changing the saturation by 10% instead.


 72.4511, 0.2595,
0.4009


 72.4511, 0.2595,
0.4009


469.1102, 0.2848,
0.3660


 53.5273, 0.2536,
0.4093

 122.6977, 0.2684,
0.3885


 38.2238, 0.2462,
0.4199


 154.7892, 0.2718,
0.3837

 26.1565, 0.2367,
0.4336


 192.0387, 0.2748,
0.3797

 16.9407, 0.2241,
0.4521

 234.8306, 0.2773,
0.3762

 10.1922, 0.2067,
0.4784

283.5493, 0.2795,
0.3731

 5.5266, 0.1812,
0.5182


338.5792, 0.2815,

 2.5594, 0.1368,


0.3705


400.3047, 0.2833,
0.3681


0.5875


 0.9063, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 72.4511, 0.2595,
0.4009


 72.4511, 0.2595,
0.4009


 71.0590, 0.2565,
0.4145


 74.2810, 0.2644,
0.3877


 70.0530, 0.2557,
0.4281


 76.5774, 0.2710,
0.3749

 69.3831, 0.2568,
0.4415


 79.3764, 0.2790,
0.3630

 69.0943, 0.2582,
0.4494

 82.7082, 0.2882,
0.3518

 86.6003, 0.2981,
0.3416

 91.0785, 0.3085,
0.3324

 94.8239, 0.3147,
0.3240

 95.0023, 0.3131,
0.3214

Harmonies

Analogous

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



72.4511, 0.3221, 0.4468



72.4511, 0.2595, 0.4009



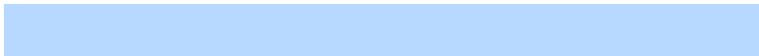
72.4511, 0.2142, 0.3309

Triad

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



72.4511, 0.2595, 0.4009



72.4511, 0.2355, 0.2252



72.4511, 0.4466, 0.3649

Complementary

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



72.4511, 0.2595, 0.4009



28.9439, 0.4455, 0.2745

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.



72.4511, 0.4199, 0.3143



72.4511, 0.2595, 0.4009



72.4511, 0.2915, 0.2381

Square

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



72.4511, 0.2595, 0.4009



72.4511, 0.2025, 0.2349



72.4511, 0.3602, 0.2696



72.4511, 0.4322, 0.4136

Rectangle

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



72.4511, 0.2595, 0.4009



72.4511, 0.1984, 0.2881



72.4511, 0.3602, 0.2696



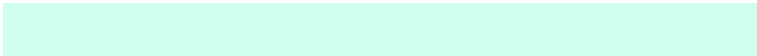
72.4511, 0.4423, 0.3478

Sweetspot

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



72.4540, 0.2595, 0.4009



90.9010, 0.2930, 0.3467



73.2040, 0.3308, 0.5193



19.2057, 0.2902, 0.3497



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.



72.4540, 0.2595, 0.4009



76.0103, 0.2560, 0.4188



61.7827, 0.2294, 0.2991



18.6540, 0.3027, 0.3374



36.5692, 0.2576, 0.4472



3.2334, 0.2529, 0.4306

Inverse Universe

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



28.9439, 0.4455, 0.2745



25.8854, 0.4900, 0.2721



32.2503, 0.5029, 0.3523



16.5778, 0.3239, 0.3208



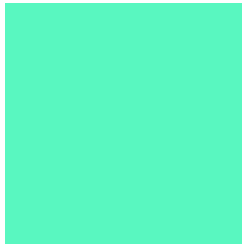
10.8377, 0.5585, 0.2850



0.9712, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 72.4511, 0.2595, 0.4009 looks on a white background.

Color Contrast Check

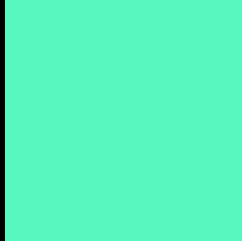
Large Text (above 18pt) WCAG AA × Fail

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 72.4511, 0.2595, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

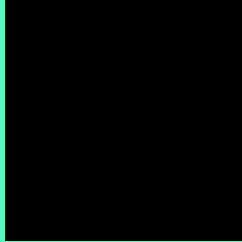
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4511, 0.2595, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 72.4511, 0.2595, 0.4009.

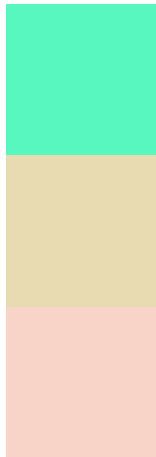


This preview shows how white text looks on a background with the Yxy color 72.4511, 0.2595, 0.4009.

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

72.4511, 0.2595, 0.4009

Protanopia

71.0332, 0.3508, 0.3739

Deuteranopia

71.2136, 0.3487, 0.3416



Tritanopia

72.1483, 0.2422, 0.3077

Trichromacy



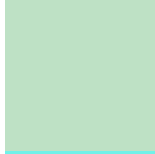
Original Color

72.4511, 0.2595, 0.4009



Protanomaly

69.1608, 0.3081, 0.3847



Deuteranomaly

68.8288, 0.3063, 0.3621



Tritanomaly

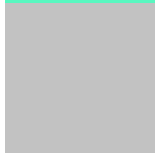
72.1815, 0.2482, 0.3399

Monochromacy



Original Color

72.4511, 0.2595, 0.4009



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.5067, 0.2858, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4511, 0.2595, 0.4009 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(89, 247, 192)` looks like.

```
.text, #text, p{  
    color:rgb(89, 247, 192)  
}
```

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(89, 247, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 247, 192) }
```

Border

The CSS property to change the border of an element to Yxy 72.4511, 0.2595, 0.4009 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(89, 247, 192) }
```

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

```
.border{ border-color:rgb(89, 247, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 247, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 247, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 247, 192);  
box-shadow:4px 4px 4px 4px rgb(89, 247,  
192) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.4511, 0.2595, 0.4009$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 247, 192) }
```

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

```
.background{ background-color: rgb(89, 247,  
192) }
```

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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