

Converting Colors

$Y_{xy}(70.7841, 0.2605, 0.3195)$

Have a look what the booklet for
Yxy(70.7841, 0.2605, 0.3195)
contains.

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Color

Yxy(70.7768, 0.2605, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	99E8F0
RGB	153, 232, 240
RGB Percent	60%, 91%, 94%
CMY	0.4003, 0.0901, 0.0589
CMYK	0.36, 0.03, 0.00, 0.06
HSL	185°, 74%, 77%
HSV	185°, 36%, 94%
XYZ	57.7069, 70.7768, 93.0399
YIQ	209.2910, -49.6520, -14.2600

Conversions

Conversions Part 2

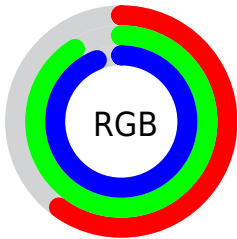
Format	Color
R _Y B	153, 194, 240
Decimal	10086640
CIE Lab	87.38, -22.21, -11.55
CIE LCh	87, 25.030, 207.484
Yxy	70.7768, 0.2605, 0.3195
Android (android.graphics.Color)	4288276720 (0xFF99E8F0)
YUV	209.2910, 15.1395, -49.3672
Hunter-Lab	84.1289, -24.7864, -6.6798

Details

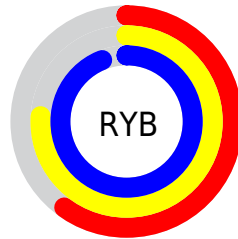
The Yxy color **70.7768, 0.2605, 0.3195** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.2648, 0.3975, 0.3381**, and the grayscale version is **63.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **37.0527, 0.2485, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **67.4488, 0.2488, 0.3165**, and if you desaturate by 10%, it is **74.5952, 0.2736, 0.3224**.

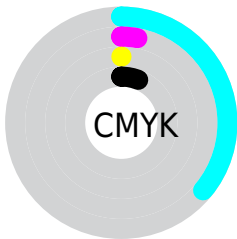
Distribution



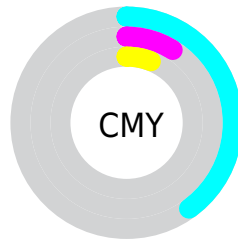
- Red (60%)
- Green (91%)
- Blue (94%)



- Red (60%)
- Yellow (76%)
- Blue (94%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)




- Cyan (40%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7768, 0.2605, 0.3195 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 70.7768, 0.2605, 0.3195 by changing the saturation by 10% instead.


 70.7768, 0.2605,
0.3195


 70.7768, 0.2605,
0.3195


463.2728, 0.2844,
0.3244

 52.1601, 0.2551,
0.3183

 120.3159, 0.2687,
0.3213

 37.1327, 0.2486,
0.3167


 152.0070, 0.2719,
0.3220

 25.3102, 0.2403,
0.3145

188.8250, 0.2747,
0.3225

 16.3083, 0.2297,
0.3116

231.1544, 0.2771,
0.3230

 9.7426, 0.2155,
0.3074

279.3794, 0.2793,
0.3234

 5.2286, 0.1956,
0.3007

333.8846, 0.2811,

 2.3820, 0.1661,

0.3238

0.2890

395.0543, 0.2828,
0.3241

0.8166, 0.0794,
0.2770

0.0000, 0.0000,
0.0000

70.7768, 0.2605,
0.3195

70.7768, 0.2605,
0.3195

67.4488, 0.2488,
0.3165

74.5952, 0.2736,
0.3224

64.5746, 0.2387,
0.3134

78.9217, 0.2879,
0.3251

62.1254, 0.2305,
0.3102

83.7832, 0.3030,
0.3275

60.0657, 0.2242,
0.3070

89.2023, 0.3186,
0.3298

■ 58.3539, 0.2199,
0.3039

■ 91.6441, 0.3224,
0.3320

■ 56.9383, 0.2173,
0.3008

■ 92.9647, 0.3222,
0.3341

■ 56.4562, 0.2166,
0.2996

■ 94.3010, 0.3221,
0.3362

■ 95.6531, 0.3219,
0.3383

■ 97.0211, 0.3217,
0.3404

Harmonies

Analogous

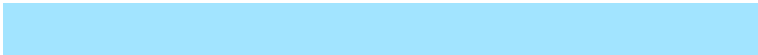
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7768, 0.2787, 0.3487



70.7768, 0.2605, 0.3195



70.7768, 0.2557, 0.2950

Triad

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



70.7768, 0.2605, 0.3195



70.7768, 0.3169, 0.2901



70.7768, 0.3614, 0.3775

Complementary

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



70.7768, 0.2605, 0.3195



46.2648, 0.3975, 0.3381

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.



70.7768, 0.3731, 0.3590



70.7768, 0.2605, 0.3195



70.7768, 0.3468, 0.3097

Square

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



70.7768, 0.2605, 0.3195



70.7768, 0.2871, 0.2797



70.7768, 0.3678, 0.3344



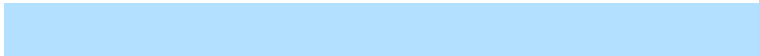
70.7768, 0.3367, 0.3833

Rectangle

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



70.7768, 0.2605, 0.3195



70.7768, 0.2605, 0.2843



70.7768, 0.3678, 0.3344



70.7768, 0.3671, 0.3724

Sweetspot

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



70.7796, 0.2605, 0.3195



93.4379, 0.2957, 0.3264



71.6160, 0.3037, 0.4295



19.8379, 0.2937, 0.3260



0.0000, 0.0000, 0.0000



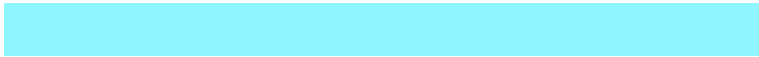
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7796, 0.2605, 0.3195



78.1925, 0.2511, 0.3171



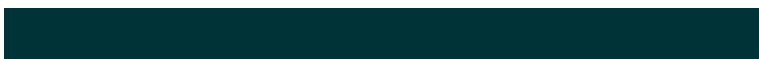
49.5327, 0.2530, 0.2661



17.6674, 0.2981, 0.3268



31.0152, 0.2167, 0.3001



2.6518, 0.2178, 0.3042

Inverse Universe

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



47.1046, 0.3237, 0.2464



47.4219, 0.3265, 0.2295



63.8635, 0.3803, 0.3844



16.0050, 0.3152, 0.3078



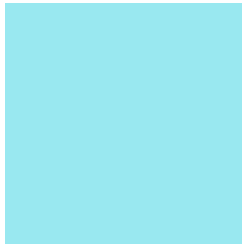
12.9244, 0.3453, 0.1676



1.0824, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 70.7768, 0.2605, 0.3195 looks on a white background.

Color Contrast Check

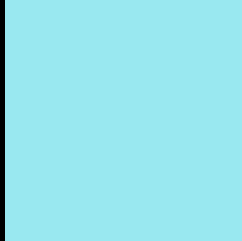
Large Text (above 18pt) WCAG AA × Fail

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 70.7768, 0.2605, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

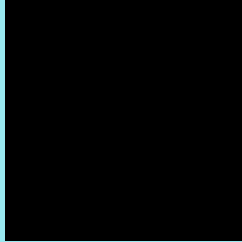
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7768, 0.2605, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 70.7768, 0.2605, 0.3195.

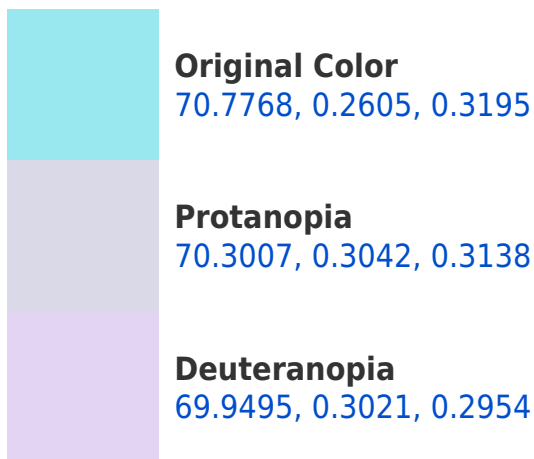


This preview shows how white text looks on a background with the Yxy color 70.7768, 0.2605, 0.3195.

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

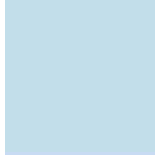
70.9599, 0.2570, 0.3081

Trichromacy



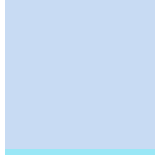
Original Color

70.7768, 0.2605, 0.3195



Protanomaly

69.6524, 0.2863, 0.3154



Deuteranomaly

69.4135, 0.2847, 0.3025



Tritanomaly

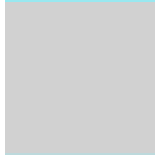
70.6757, 0.2579, 0.3114

Monochromacy



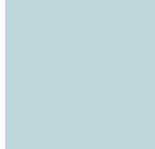
Original Color

70.7768, 0.2605, 0.3195



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6118, 0.2912, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7768, 0.2605, 0.3195 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(153, 232, 240)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 240)  
}
```

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(153, 232, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.7768, 0.2605, 0.3195 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(153, 232, 240) }
```

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

```
.border{ border-color:rgb(153, 232, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 232, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 232, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 232, 240);  
box-shadow:4px 4px 4px 4px rgb(153, 232,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7768, 0.2605, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 240) }
```

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

```
.background{ background-color: rgb(153,  
232, 240) }
```

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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