

Converting Colors

$Y_{xy}(78.5210, 0.2605, 0.3291)$

Have a look what the booklet for
Yxy(78.5210, 0.2605, 0.3291)
contains.

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Color

Yxy(78.6697, 0.2603, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	99F5F5
RGB	153, 245, 245
RGB Percent	60%, 96%, 96%
CMY	0.3998, 0.0392, 0.0391
CMYK	0.38, 0.00, 0.00, 0.04
HSL	180°, 82%, 78%
HSV	180°, 38%, 96%
XYZ	62.2802, 78.6697, 98.3132
YIQ	217.4920, -54.8320, -19.5040

Conversions

Conversions Part 2

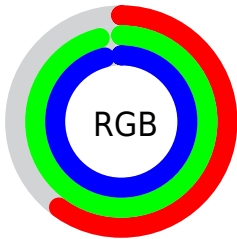
Format	Color
R_{YB}	153, 199, 245
Decimal	10089973
CIE _{Lab}	91.08, -27.29, -8.68
CIE _{LCh}	91, 28.634, 197.642
Yxy	78.6697, 0.2603, 0.3288
Android (android.graphics.Color)	4288280053 (0xFF99F5F5)
YUV	217.4920, 13.5614, -56.5595
Hunter-Lab	88.6959, -29.8794, -3.6316

Details

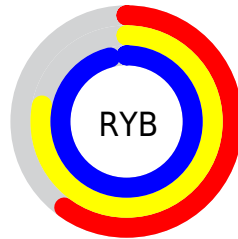
The Yxy color **78.6697, 0.2603, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.5292, 0.4055, 0.3293**, and the grayscale version is **69.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **42.1274, 0.2486, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **76.5213, 0.2497, 0.3288**, and if you desaturate by 10%, it is **81.3139, 0.2726, 0.3289**.

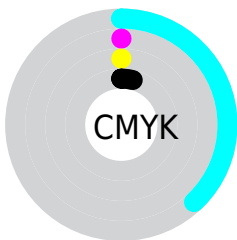
Distribution



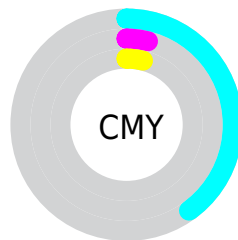
- Red (60%)
- Green (96%)
- Blue (96%)



- Red (60%)
- Yellow (78%)
- Blue (96%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (40%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6697, 0.2603, 0.3288 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 78.6697, 0.2603, 0.3288 by changing the saturation by 10% instead.


 78.6697, 0.2603,
0.3288

 78.6697, 0.2603,
0.3288


490.4382, 0.2838,
0.3294

 58.6243, 0.2551,
0.3286


 131.4938, 0.2683,
0.3291

 42.3107, 0.2488,
0.3282


 165.0412, 0.2715,
0.3292

 29.3447, 0.2409,
0.3277


203.8581, 0.2742,
0.3292

 19.3417, 0.2308,
0.3269

248.3288, 0.2766,
0.3293

 11.9175, 0.2175,
0.3256

298.8378, 0.2787,
0.3293

 6.6875, 0.1993,
0.3233

355.7695, 0.2806,

 3.2674, 0.1728,

0.3293

0.3188

419.5081, 0.2823,
0.3293

■ 1.2729, 0.1225,
0.3117

■ 0.1201, 0.0000,
0.1400

■ 78.6697, 0.2603,
0.3288

■ 78.6697, 0.2603,
0.3288

■ 76.5213, 0.2497,
0.3288

■ 81.3139, 0.2726,
0.3289

■ 74.8293, 0.2409,
0.3287

■ 84.4721, 0.2862,
0.3289


■ 73.5631, 0.2341,
0.3287


■ 88.1730, 0.3010,
0.3290

■ 72.6848, 0.2293,
0.3287


■ 92.4405, 0.3166,
0.3290


 72.1496, 0.2263,
0.3286


 93.1867, 0.3192,
0.3290

 71.8984, 0.2248,
0.3286

 93.1928, 0.3192,
0.3290

 71.8580, 0.2246,
0.3286

 93.1989, 0.3192,
0.3291

 93.2051, 0.3192,
0.3291

 93.2112, 0.3192,
0.3291

Harmonies

Analogous

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



78.6697, 0.2843, 0.3608



78.6697, 0.2603, 0.3288



78.6697, 0.2501, 0.2990

Triad

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



78.6697, 0.2603, 0.3288



78.6697, 0.3059, 0.2813



78.6697, 0.3726, 0.3768

Complementary

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



78.6697, 0.2603, 0.3288



44.5292, 0.4055, 0.3293

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.



78.6697, 0.3797, 0.3533



78.6697, 0.2603, 0.3288



78.6697, 0.3400, 0.2999

Square

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



78.6697, 0.2603, 0.3288



78.6697, 0.2752, 0.2739



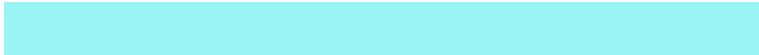
78.6697, 0.3676, 0.3256



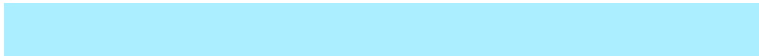
78.6697, 0.3491, 0.3888

Rectangle

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



78.6697, 0.2603, 0.3288



78.6697, 0.2519, 0.2847



78.6697, 0.3676, 0.3256



78.6697, 0.3770, 0.3699

Sweetspot

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



78.6728, 0.2603, 0.3288



95.0554, 0.2958, 0.3289



74.4026, 0.3073, 0.4435



20.2265, 0.2937, 0.3289



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.



78.6728, 0.2603, 0.3288



84.3070, 0.2521, 0.3288



54.2358, 0.2522, 0.2732



18.7566, 0.2981, 0.3289



38.7002, 0.2246, 0.3286



3.4017, 0.2246, 0.3286

Inverse Universe

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



48.8077, 0.3171, 0.2361



47.3063, 0.3179, 0.2189



62.5843, 0.3863, 0.3786



16.7682, 0.3138, 0.3057



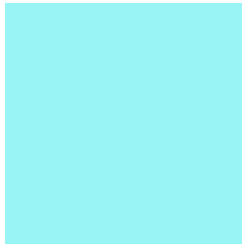
14.0062, 0.3210, 0.1542



1.2310, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 78.6697, 0.2603, 0.3288 looks on a white background.

Color Contrast Check

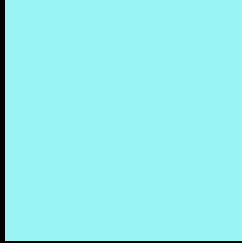
Large Text (above 18pt) WCAG AA × Fail

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 78.6697, 0.2603, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

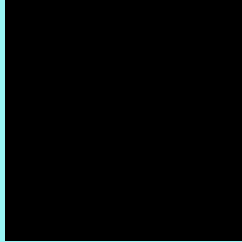
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6697, 0.2603, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 78.6697, 0.2603, 0.3288.

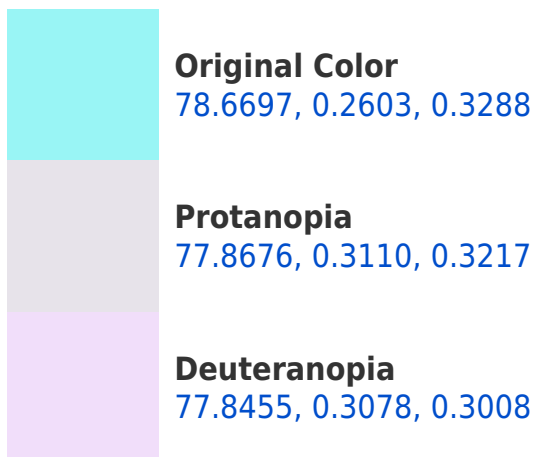


This preview shows how white text looks on a background with the Yxy color 78.6697, 0.2603, 0.3288.

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

78.1831, 0.2660, 0.3113

Trichromacy



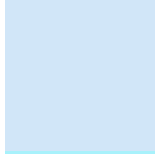
Original Color

78.6697, 0.2603, 0.3288



Protanomaly

77.7152, 0.2902, 0.3246



Deuteranomaly

76.9262, 0.2880, 0.3098



Tritanomaly

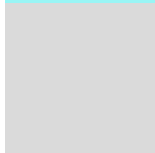
78.2005, 0.2641, 0.3177

Monochromacy



Original Color

78.6697, 0.2603, 0.3288



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.5576, 0.2901, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6697, 0.2603, 0.3288 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, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(153, 245, 245)  
}
```

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, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 245, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.6697, 0.2603, 0.3288 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, 245, 245) }
```

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

```
.border{ border-color:rgb(153, 245, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(153, 245,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6697, 0.2603, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 245, 245) }
```

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

```
.background{ background-color: rgb(153,  
245, 245) }
```

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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