

Converting Colors

$Yxy(77.8866, 0.2619, 0.3399)$

Have a look what the booklet for
Yxy(77.8866, 0.2619, 0.3399)
contains.

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Color

Yxy(78.1707, 0.2619, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	93F6EC
RGB	147, 246, 236
RGB Percent	58%, 96%, 93%
CMY	0.4236, 0.0353, 0.0745
CMYK	0.40, 0.00, 0.04, 0.04
HSL	174°, 85%, 77%
HSV	174°, 40%, 96%
XYZ	60.1260, 78.1707, 91.2795
YIQ	215.2590, -55.7940, -24.0980

Conversions

Conversions Part 2

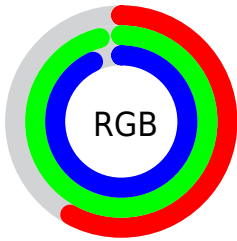
Format	Color
RYB	147, 199, 246
Decimal	9697004
CIELab	90.86, -31.38, -4.34
CIELCh	91, 31.675, 187.884
Yxy	78.1707, 0.2619, 0.3405
Android (android.graphics.Color)	4287887084 (0xFF93F6EC)
YUV	215.2590, 10.2253, -59.8631
Hunter-Lab	88.4142, -33.3360, 0.6785

Details

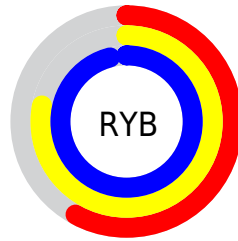
The Yxy color **78.1707, 0.2619, 0.3405** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.8891, 0.4048, 0.3184**, and the grayscale version is **68.0961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **41.8143, 0.2504, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **75.9945, 0.2526, 0.3438**, and if you desaturate by 10%, it is **80.8413, 0.2728, 0.3373**.

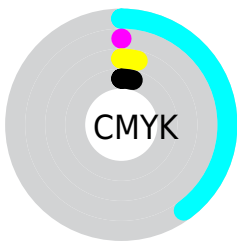
Distribution



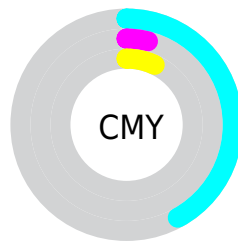
- Red (58%)
- Green (96%)
- Blue (93%)



- Red (58%)
- Yellow (78%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (42%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1707, 0.2619, 0.3405 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 78.1707, 0.2619, 0.3405 by changing the saturation by 10% instead.


 78.1707, 0.2619,
0.3405


 78.1707, 0.2619,
0.3405


488.7463, 0.2849,
0.3356

 58.2142, 0.2568,
0.3415


 130.7907, 0.2698,
0.3389

 41.9809, 0.2506,
0.3428


 164.2231, 0.2728,
0.3382

 29.0863, 0.2428,
0.3443


202.9161, 0.2755,
0.3376

 19.1461, 0.2328,
0.3461

247.2543, 0.2778,
0.3371

 11.7759, 0.2195,
0.3484

297.6221, 0.2799,
0.3367

 6.5913, 0.2012,
0.3513

354.4037, 0.2817,

 3.2078, 0.1743,

0.3363

417.9837, 0.2834,
0.3359

0.3547

1.2412, 0.1112,
0.3665

0.0950, 0.0000,
0.1891

78.1707, 0.2619,
0.3405

78.1707, 0.2619,
0.3405

75.9945, 0.2526,
0.3438

80.8413, 0.2728,
0.3373

74.2721, 0.2450,
0.3473


84.0256, 0.2851,
0.3343


72.9717, 0.2394,
0.3508

87.7530, 0.2984,
0.3316


72.0533, 0.2357,
0.3543

92.0480, 0.3124,
0.3291

 71.4692, 0.2339,
0.3578

 93.9801, 0.3170,
0.3267

 71.1452, 0.2337,
0.3611

 94.1357, 0.3156,
0.3243

 94.2934, 0.3141,
0.3219

 94.3961, 0.3131,
0.3204

Harmonies

Analogous

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



78.1707, 0.2921, 0.3744



78.1707, 0.2619, 0.3405



78.1707, 0.2455, 0.3053

Triad

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



78.1707, 0.2619, 0.3405



78.1707, 0.2931, 0.2724



78.1707, 0.3839, 0.3741

Complementary

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



78.1707, 0.2619, 0.3405



42.8891, 0.4048, 0.3184

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.



78.1707, 0.3850, 0.3457



78.1707, 0.2619, 0.3405



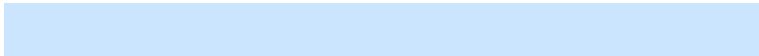
78.1707, 0.3308, 0.2892

Square

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



78.1707, 0.2619, 0.3405



78.1707, 0.2626, 0.2686



78.1707, 0.3652, 0.3153



78.1707, 0.3629, 0.3928

Rectangle

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



78.1707, 0.2619, 0.3405



78.1707, 0.2438, 0.2868



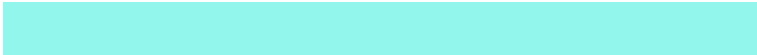
78.1707, 0.3652, 0.3153



78.1707, 0.3867, 0.3653

Sweetspot

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



78.1738, 0.2619, 0.3405



94.4538, 0.2959, 0.3321



75.3454, 0.3137, 0.4508



20.0994, 0.2942, 0.3324



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.



78.1738, 0.2619, 0.3405



82.9232, 0.2544, 0.3431



57.9902, 0.2500, 0.2830



18.7273, 0.2994, 0.3314



37.9840, 0.2335, 0.3606



3.3466, 0.2323, 0.3562

Inverse Universe

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



42.8891, 0.4048, 0.3184



39.9689, 0.4331, 0.3166



56.3732, 0.3981, 0.3702



16.5097, 0.3278, 0.3266



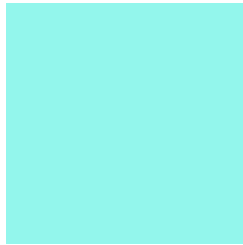
10.5042, 0.6284, 0.3235



0.9321, 0.6048, 0.3105

Previews

White Background



This preview shows how the Yxy color 78.1707, 0.2619, 0.3405 looks on a white background.

Color Contrast Check

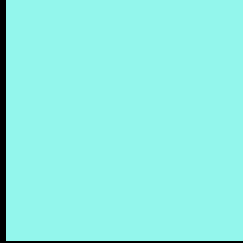
Large Text (above 18pt) WCAG AA × Fail

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 78.1707, 0.2619, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

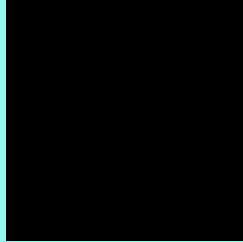
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

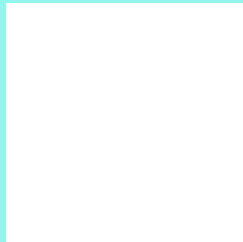
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1707, 0.2619, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 78.1707, 0.2619, 0.3405.

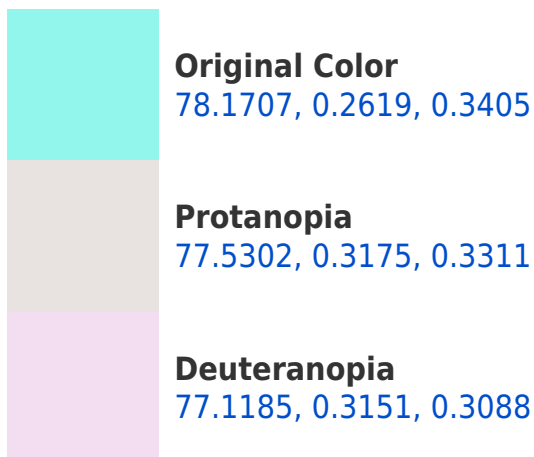


This preview shows how white text looks on a background with the Yxy color 78.1707, 0.2619, 0.3405.

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

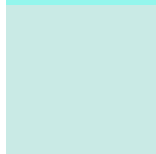
77.7237, 0.2639, 0.3112

Trichromacy



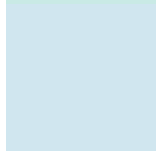
Original Color

78.1707, 0.2619, 0.3405



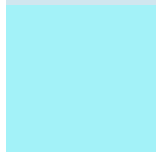
Protanomaly

76.9203, 0.2942, 0.3345



Deuteranomaly

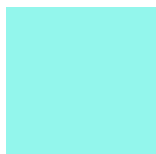
76.2355, 0.2926, 0.3192



Tritanomaly

78.0681, 0.2632, 0.3221

Monochromacy



Original Color

78.1707, 0.2619, 0.3405



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6676, 0.2904, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1707, 0.2619, 0.3405 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(147, 246, 236)` looks like.

```
.text, #text, p{  
    color:rgb(147, 246, 236)  
}
```

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(147, 246, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 246, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.1707, 0.2619, 0.3405 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(147, 246, 236) }
```

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

```
.border{ border-color:rgb(147, 246, 236) }
```

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

Here you see how a box with a 4 pixel rgb(147, 246, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 246, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 246, 236);  
box-shadow:4px 4px 4px 4px rgb(147, 246,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1707, 0.2619, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 246, 236) }
```

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

```
.background{ background-color: rgb(147,  
246, 236) }
```

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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