

Converting Colors

$Yxy(78.5872, 0.2635, 0.3640)$

Have a look what the booklet for
Yxy(78.5872, 0.2635, 0.3640)
contains.

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Color

Yxy(78.5782, 0.2634, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	85FADD
RGB	133, 250, 221
RGB Percent	52%, 98%, 87%
CMY	0.4784, 0.0196, 0.1334
CMYK	0.47, 0.00, 0.12, 0.02
HSL	165°, 92%, 75%
HSV	165°, 47%, 98%
XYZ	56.9082, 78.5782, 80.5659
YIQ	211.7110, -60.4230, -33.8230

Conversions

Conversions Part 2

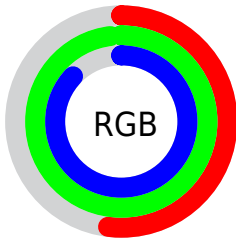
Format	Color
RYB	133, 200, 250
Decimal	8780509
CIELab	91.04, -39.97, 3.66
CIElCh	91, 40.140, 174.766
Yxy	78.5782, 0.2634, 0.3637
Android (android.graphics.Color)	4286970589 (0xFF85FADD)
YUV	211.7110, 4.5795, -69.0295
Hunter-Lab	88.6443, -40.5336, 8.1643

Details

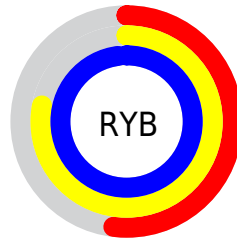
The Yxy color **78.5782, 0.2634, 0.3637** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.7101, 0.4084, 0.2985**, and the grayscale version is **65.6370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **42.2708, 0.2519, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **76.4584, 0.2564, 0.3726**, and if you desaturate by 10%, it is **81.2006, 0.2720, 0.3552**.

Distribution



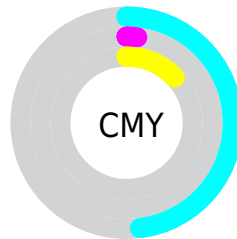
- Red (52%)
- Green (98%)
- Blue (87%)



- Red (52%)
- Yellow (78%)
- Blue (98%)



- Cyan (47%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (48%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5782, 0.2634, 0.3637 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 78.5782, 0.2634, 0.3637 by changing the saturation by 10% instead.

 78.5782, 0.2634,
0.3637


 78.5782, 0.2634,
0.3637

490.1282, 0.2859,
0.3476

 58.5491, 0.2583,
0.3674


 131.3649, 0.2712,
0.3581

 42.2502, 0.2521,
0.3719


 164.8912, 0.2742,
0.3560

 29.2973, 0.2443,
0.3776

 203.6854, 0.2768,
0.3541

 19.3058, 0.2342,
0.3851

248.1319, 0.2791,
0.3525

 11.8915, 0.2206,
0.3953

298.6150, 0.2811,
0.3510

 6.6698, 0.2016,
0.4099

355.5192, 0.2829,

 3.2565, 0.1732,

0.3498

419.2288, 0.2845,
0.3487

0.4324

1.2671, 0.0735,
0.5003

0.1155, 0.0000,
1.0000

78.5782, 0.2634,
0.3637

78.5782, 0.2634,
0.3637

76.4584, 0.2564,
0.3726

81.2006, 0.2720,
0.3552

74.7969, 0.2512,
0.3818


84.3479, 0.2819,
0.3473

73.5570, 0.2480,
0.3911


88.0521, 0.2929,
0.3399

72.6922, 0.2468,
0.4005

92.3400, 0.3045,
0.3332

 72.1436, 0.2475,
0.4098

 96.6623, 0.3147,
0.3271

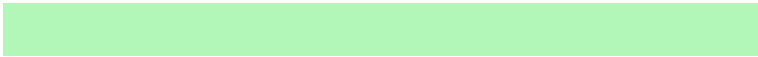
 72.0058, 0.2480,
0.4127

 96.8547, 0.3129,
0.3242

Harmonies

Analogous

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



78.5782, 0.3060, 0.4016



78.5782, 0.2634, 0.3637



78.5782, 0.2352, 0.3168

Triad

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



78.5782, 0.2634, 0.3637



78.5782, 0.2694, 0.2546



78.5782, 0.4068, 0.3695

Complementary

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



78.5782, 0.2634, 0.3637



39.7101, 0.4084, 0.2985

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.



78.5782, 0.3965, 0.3321



78.5782, 0.2634, 0.3637



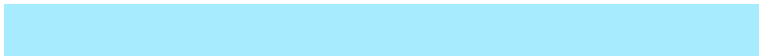
78.5782, 0.3139, 0.2688

Square

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



78.5782, 0.2634, 0.3637



78.5782, 0.2387, 0.2572



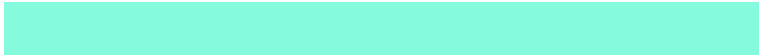
78.5782, 0.3614, 0.2963



78.5782, 0.3898, 0.4005

Rectangle

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



78.5782, 0.2634, 0.3637



78.5782, 0.2272, 0.2895



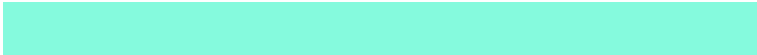
78.5782, 0.3614, 0.2963



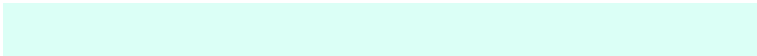
78.5782, 0.4065, 0.3573

Sweetspot

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



78.5813, 0.2634, 0.3637



93.2895, 0.2961, 0.3380



77.7761, 0.3224, 0.4698



19.7699, 0.2936, 0.3395



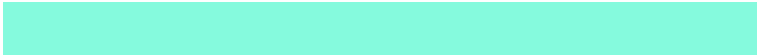
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.5813, 0.2634, 0.3637



80.1233, 0.2568, 0.3719



63.4727, 0.2440, 0.2937



19.5307, 0.3013, 0.3349



38.2164, 0.2476, 0.4112



3.5563, 0.2445, 0.4001

Inverse Universe

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



39.7101, 0.4084, 0.2985



35.0184, 0.4392, 0.2937



47.9485, 0.4256, 0.3604



17.2958, 0.3255, 0.3231



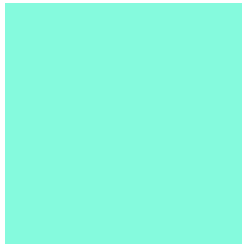
10.9841, 0.5940, 0.3046



1.0335, 0.5609, 0.2863

Previews

White Background



This preview shows how the Yxy color 78.5782, 0.2634, 0.3637 looks on a white background.

Color Contrast Check

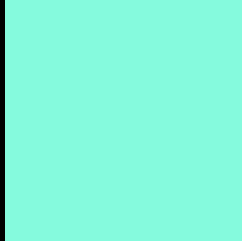
Large Text (above 18pt) WCAG AA × Fail

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 78.5782, 0.2634, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

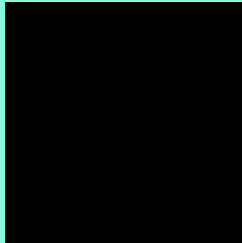
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5782, 0.2634, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 78.5782, 0.2634, 0.3637.

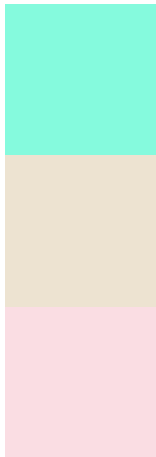


This preview shows how white text looks on a background with the Yxy color 78.5782, 0.2634, 0.3637.

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

78.5782, 0.2634, 0.3637

Protanopia

77.5461, 0.3316, 0.3480

Deuteranopia

77.5829, 0.3295, 0.3230



Tritanopia

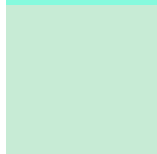
78.1981, 0.2636, 0.3123

Trichromacy



Original Color

78.5782, 0.2634, 0.3637



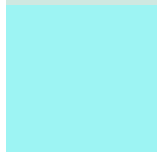
Protanomaly

76.3629, 0.3023, 0.3537



Deuteranomaly

76.4149, 0.3004, 0.3367



Tritanomaly

78.3405, 0.2630, 0.3300

Monochromacy



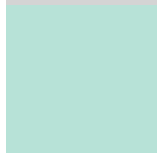
Original Color

78.5782, 0.2634, 0.3637



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.3663, 0.2907, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5782, 0.2634, 0.3637 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(133, 250, 221)` looks like.

```
.text, #text, p{  
    color:rgb(133, 250, 221)  
}
```

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(133, 250, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 250, 221) }
```

Border

The CSS property to change the border of an element to Yxy 78.5782, 0.2634, 0.3637 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(133, 250, 221) }
```

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

```
.border{ border-color:rgb(133, 250, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 250, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 250, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 250, 221);  
box-shadow:4px 4px 4px 4px rgb(133, 250,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5782, 0.2634, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 250, 221) }
```

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

```
.background{ background-color: rgb(133,  
250, 221) }
```

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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