

Converting Colors

$Yxy(80.8821, 0.2639, 0.3405)$

Have a look what the booklet for
Yxy(80.8821, 0.2639, 0.3405)
contains.

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Color

Yxy(80.7557, 0.2638, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	99F9EF
RGB	153, 249, 239
RGB Percent	60%, 98%, 94%
CMY	0.3997, 0.0236, 0.0627
CMYK	0.39, 0.00, 0.04, 0.02
HSL	174°, 89%, 79%
HSV	174°, 39%, 98%
XYZ	62.6017, 80.7557, 93.9500
YIQ	219.1560, -54.0060, -23.4620

Conversions

Conversions Part 2

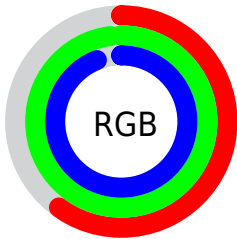
Format	Color
R_{YB}	153, 204, 249
Decimal	10090991
CIE _{Lab}	92.02, -30.59, -4.16
CIE _{LCh}	92, 30.867, 187.741
Yxy	80.7557, 0.2638, 0.3403
Android (android.graphics.Color)	4288281071 (0xFF99F9EF)
YUV	219.1560, 9.7831, -58.0188
Hunter-Lab	89.8642, -32.9146, 0.9192

Details

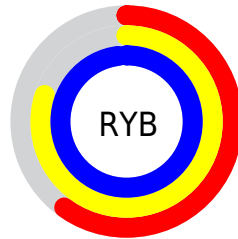
The Yxy color **80.7557, 0.2638, 0.3403** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.5900, 0.3988, 0.3185**, and the grayscale version is **70.9232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **43.6050, 0.2530, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **78.4300, 0.2542, 0.3437**, and if you desaturate by 10%, it is **83.5955, 0.2750, 0.3371**.

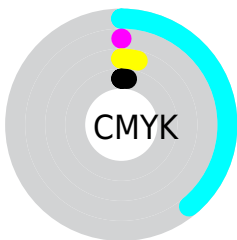
Distribution



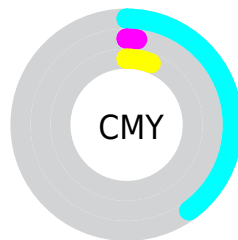
- Red (60%)
- Green (98%)
- Blue (94%)



- Red (60%)
- Yellow (80%)
- Blue (98%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (40%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7557, 0.2638, 0.3403 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 80.7557, 0.2638, 0.3403 by changing the saturation by 10% instead.


 80.7557, 0.2638,
0.3403

 80.7557, 0.2638,
0.3403


497.4760, 0.2858,
0.3355

 60.3404, 0.2589,
0.3413


 134.4277, 0.2713,
0.3387

 43.6931, 0.2530,
0.3425


 168.4532, 0.2743,
0.3380

 30.4293, 0.2456,
0.3440


207.7842, 0.2768,
0.3375

 20.1647, 0.2362,
0.3458

252.8051, 0.2791,
0.3370

 12.5148, 0.2237,
0.3481

303.9004, 0.2810,
0.3365

 7.0953, 0.2065,
0.3509


361.4543, 0.2828,


 3.5218, 0.1813,

0.3361

425.8514, 0.2844,
0.3358


0.3545


 1.4098, 0.1331,
0.3620


 0.2239, 0.0000,
0.2953


 80.7557, 0.2638,
0.3403


 80.7557, 0.2638,
0.3403


 78.4300, 0.2542,
0.3437


 83.5955, 0.2750,
0.3371


 76.5773, 0.2463,
0.3473

 86.9688, 0.2874,
0.3340

 75.1653, 0.2404,
0.3509


 90.9056, 0.3008,
0.3312


 74.1539, 0.2364,
0.3545


 95.4309, 0.3148,
0.3286

 73.4957, 0.2344,
0.3581

 96.0342, 0.3148,
0.3262

 73.1231, 0.2340,
0.3617

 96.1997, 0.3132,
0.3237

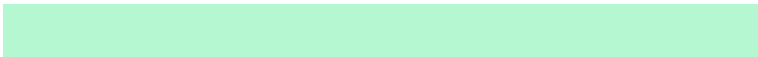
 73.0787, 0.2340,
0.3622

 96.2278, 0.3130,
0.3233

Harmonies

Analogous

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



80.7557, 0.2930, 0.3728



80.7557, 0.2638, 0.3403



80.7557, 0.2478, 0.3064

Triad

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



80.7557, 0.2638, 0.3403



80.7557, 0.2937, 0.2742



80.7557, 0.3814, 0.3725

Complementary

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



80.7557, 0.2638, 0.3403



45.5900, 0.3988, 0.3185

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.



80.7557, 0.3823, 0.3451



80.7557, 0.2638, 0.3403



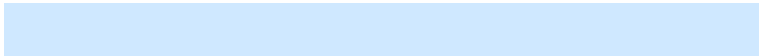
80.7557, 0.3300, 0.2904

Square

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



80.7557, 0.2638, 0.3403



80.7557, 0.2642, 0.2707



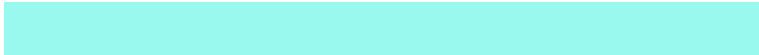
80.7557, 0.3631, 0.3157



80.7557, 0.3613, 0.3905

Rectangle

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



80.7557, 0.2638, 0.3403



80.7557, 0.2461, 0.2884



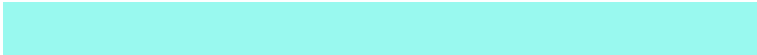
80.7557, 0.3631, 0.3157



80.7557, 0.3840, 0.3640

Sweetspot

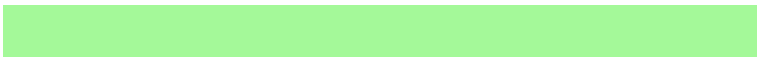
The Sweet Spot groups the original color and five complimentary colors.



80.7589, 0.2638, 0.3403



94.4477, 0.2960, 0.3322



77.9701, 0.3137, 0.4448



20.0979, 0.2942, 0.3325



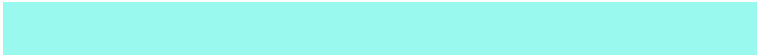
0.0000, 0.0000, 0.0000



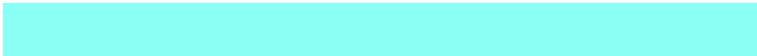
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7589, 0.2638, 0.3403



83.3556, 0.2564, 0.3429



60.8165, 0.2526, 0.2853



19.5756, 0.2994, 0.3315



39.1325, 0.2338, 0.3616



3.6330, 0.2326, 0.3573

Inverse Universe

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



45.5900, 0.3988, 0.3185



41.5504, 0.4251, 0.3166



59.1984, 0.3934, 0.3685



17.2546, 0.3278, 0.3266



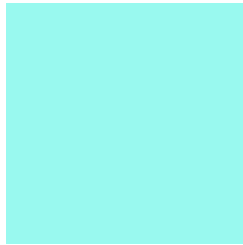
10.8298, 0.6281, 0.3234



1.0124, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 80.7557, 0.2638, 0.3403 looks on a white background.

Color Contrast Check

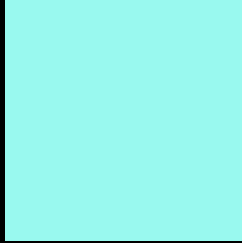
Large Text (above 18pt) WCAG AA × Fail

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 80.7557, 0.2638, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

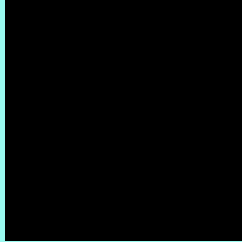
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7557, 0.2638, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 80.7557, 0.2638, 0.3403.

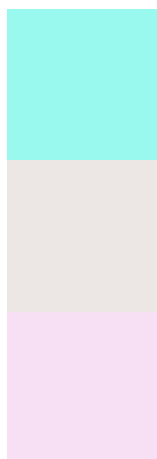


This preview shows how white text looks on a background with the Yxy color 80.7557, 0.2638, 0.3403.

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

80.7557, 0.2638, 0.3403

Protanopia

80.0279, 0.3181, 0.3311

Deuteranopia

79.6171, 0.3157, 0.3090



Tritanopia

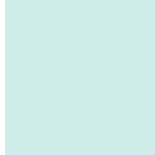
80.4449, 0.2711, 0.3137

Trichromacy



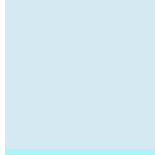
Original Color

80.7557, 0.2638, 0.3403



Protanomaly

79.5164, 0.2956, 0.3344



Deuteranomaly

78.8348, 0.2941, 0.3194



Tritanomaly

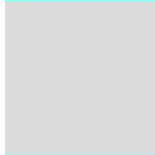
80.4252, 0.2681, 0.3233

Monochromacy



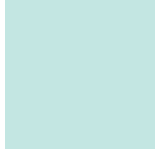
Original Color

80.7557, 0.2638, 0.3403



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.6867, 0.2920, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7557, 0.2638, 0.3403 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, 249, 239)` looks like.

```
.text, #text, p{  
    color:rgb(153, 249, 239)  
}
```

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, 249, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 249, 239) }
```

Border

The CSS property to change the border of an element to Yxy 80.7557, 0.2638, 0.3403 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, 249, 239) }
```

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

```
.border{ border-color:rgb(153, 249, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 249, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 249, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 249, 239);  
box-shadow:4px 4px 4px 4px rgb(153, 249,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7557, 0.2638, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 249, 239) }
```

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

```
.background{ background-color: rgb(153,  
249, 239) }
```

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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