

Converting Colors

$Y_{xy}(78.7058, 0.2536, 0.3453)$

Have a look what the booklet for
Yxy(78.7058, 0.2536, 0.3453)
contains.

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Color

Yxy(78.8630, 0.2537, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	7EFAEC
RGB	126, 250, 236
RGB Percent	49%, 98%, 93%
CMY	0.5061, 0.0196, 0.0745
CMYK	0.50, 0.00, 0.06, 0.02
HSL	173°, 93%, 74%
HSV	173°, 50%, 98%
XYZ	57.9257, 78.8630, 91.5350
YIQ	211.3280, -69.4100, -30.6420

Conversions

Conversions Part 2

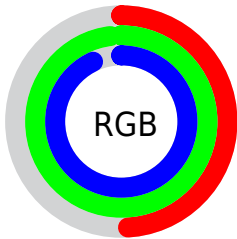
Format	Color
RYB	126, 192, 250
Decimal	8321772
CIELab	91.17, -38.03, -3.98
CIELCh	91, 38.240, 185.972
Yxy	78.8630, 0.2537, 0.3454
Android (android.graphics.Color)	4286511852 (0xFF7EFAEC)
YUV	211.3280, 12.1633, -74.8327
Hunter-Lab	88.8048, -38.9763, 1.0506

Details

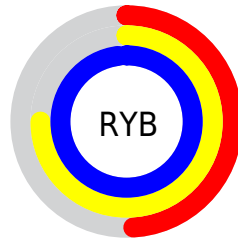
The Yxy color **78.8630, 0.2537, 0.3454** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.1271, 0.4375, 0.3147**, and the grayscale version is **65.3163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **42.4593, 0.2409, 0.3492** is the 20% darker color. If you saturate the color by 10%, you get **77.0353, 0.2461, 0.3493**, and if you desaturate by 10%, it is **81.1742, 0.2631, 0.3417**.

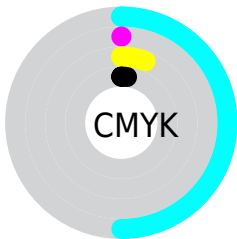
Distribution



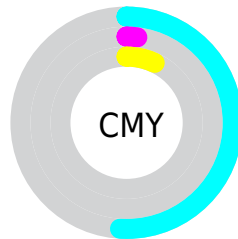
- Red (49%)
- Green (98%)
- Blue (93%)



- Red (49%)
- Yellow (75%)
- Blue (98%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (51%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8630, 0.2537, 0.3454 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 78.8630, 0.2537, 0.3454 by changing the saturation by 10% instead.


 78.8630, 0.2537,
0.3454

 78.8630, 0.2537,
0.3454


491.0928, 0.2803,
0.3383


 58.7832, 0.2478,
0.3469


 131.7660, 0.2628,
0.3430

 42.4386, 0.2406,
0.3487


 165.3579, 0.2663,
0.3421

 29.4449, 0.2317,
0.3509


 204.2227, 0.2694,
0.3412

 19.4176, 0.2203,
0.3536

248.7447, 0.2721,
0.3405

 11.9724, 0.2052,
0.3570

299.3083, 0.2745,
0.3399

 6.7249, 0.1845,
0.3614

356.2979, 0.2767,

 3.2907, 0.1547,

0.3393

420.0979, 0.2786,
0.3388

0.3668

1.2853, 0.0745,
0.3872

0.1298, 0.0000,
0.2363

78.8630, 0.2537,
0.3454

78.8630, 0.2537,
0.3454

77.0353, 0.2461,
0.3493

81.1742, 0.2631,
0.3417

75.6458, 0.2405,
0.3532

83.9920, 0.2740,
0.3381

74.6563, 0.2368,
0.3572

87.3490, 0.2862,
0.3348

74.0177, 0.2350,
0.3611


91.2725, 0.2994,
0.3317

 73.6524, 0.2348,
0.3650

 95.7878, 0.3133,
0.3289

 73.6406, 0.2348,
0.3651

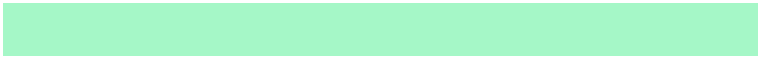
 96.7250, 0.3141,
0.3262

 96.8572, 0.3129,
0.3242

Harmonies

Analogous

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



78.8630, 0.2902, 0.3866



78.8630, 0.2537, 0.3454



78.8630, 0.2334, 0.3023

Triad

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



78.8630, 0.2537, 0.3454



78.8630, 0.2863, 0.2612



78.8630, 0.3991, 0.3801

Complementary

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



78.8630, 0.2537, 0.3454



37.1271, 0.4375, 0.3147

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.



78.8630, 0.3991, 0.3457



78.8630, 0.2537, 0.3454



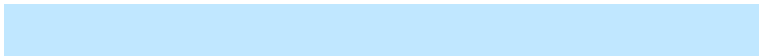
78.8630, 0.3312, 0.2801

Square

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



78.8630, 0.2537, 0.3454



78.8630, 0.2511, 0.2574



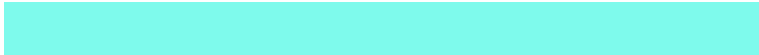
78.8630, 0.3737, 0.3101



78.8630, 0.3747, 0.4046

Rectangle

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



78.8630, 0.2537, 0.3454



78.8630, 0.2306, 0.2797



78.8630, 0.3737, 0.3101



78.8630, 0.4021, 0.3693

Sweetspot

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



78.8661, 0.2537, 0.3454



93.1786, 0.2921, 0.3333



75.4948, 0.3130, 0.4838



19.7627, 0.2894, 0.3340



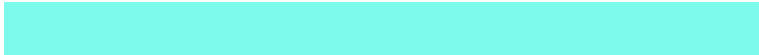
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.8661, 0.2537, 0.3454



80.5025, 0.2458, 0.3494



53.7892, 0.2363, 0.2700



19.5729, 0.2995, 0.3317



39.0715, 0.2346, 0.3645



3.6280, 0.2333, 0.3598

Inverse Universe

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



37.1271, 0.4375, 0.3147



32.1009, 0.4810, 0.3130



51.9130, 0.4256, 0.3794



17.2570, 0.3276, 0.3264



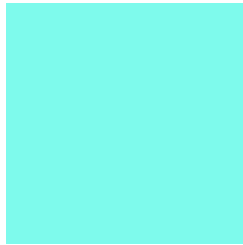
10.8357, 0.6266, 0.3226



1.0136, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 78.8630, 0.2537, 0.3454 looks on a white background.

Color Contrast Check

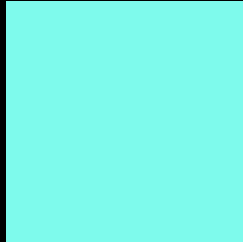
Large Text (above 18pt) WCAG AA × Fail

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 78.8630, 0.2537, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

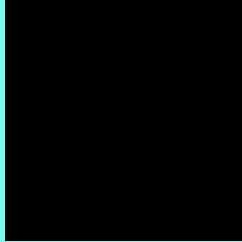
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8630, 0.2537, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 78.8630, 0.2537, 0.3454.

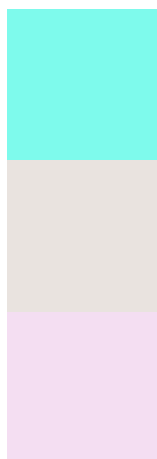


This preview shows how white text looks on a background with the Yxy color 78.8630, 0.2537, 0.3454.

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

78.8630, 0.2537, 0.3454

Protanopia

77.5895, 0.3195, 0.3332

Deuteranopia

77.8865, 0.3151, 0.3088



Tritanopia

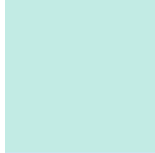
78.6766, 0.2632, 0.3134

Trichromacy



Original Color

78.8630, 0.2537, 0.3454



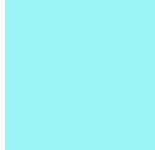
Protanomaly

76.4874, 0.2904, 0.3368



Deuteranomaly

76.4220, 0.2877, 0.3202



Tritanomaly

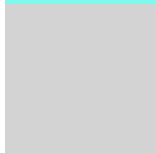
78.3487, 0.2592, 0.3243

Monochromacy



Original Color

78.8630, 0.2537, 0.3454



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.7210, 0.2858, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8630, 0.2537, 0.3454 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(126, 250, 236)` looks like.

```
.text, #text, p{  
    color:rgb(126, 250, 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(126, 250, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 250, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.8630, 0.2537, 0.3454 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(126, 250, 236) }
```

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

```
.border{ border-color:rgb(126, 250, 236) }
```

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

Here you see how a box with a 4 pixel rgb(126, 250, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 250, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 250, 236);  
box-shadow:4px 4px 4px 4px rgb(126, 250,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8630, 0.2537, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 250, 236) }
```

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

```
.background{ background-color: rgb(126,  
250, 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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