

Converting Colors

$Y_{xy}(82.9318, 0.2622, 0.3555)$

Have a look what the booklet for
Yxy(82.9318, 0.2622, 0.3555)
contains.

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Color

Yxy(82.9216, 0.2622, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFE8
RGB	140, 255, 232
RGB Percent	55%, 100%, 91%
CMY	0.4509, 0.0000, 0.0902
CMYK	0.45, 0.00, 0.09, 0.00
HSL	168°, 100%, 77%
HSV	168°, 45%, 100%
XYZ	61.1419, 82.9216, 89.1244
YIQ	217.9930, -61.1570, -31.5330

Conversions

Conversions Part 2

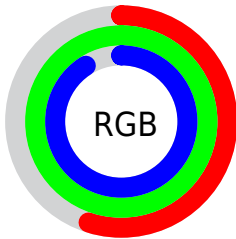
Format	Color
RYB	140, 204, 255
Decimal	9240552
CIELab	92.98, -38.12, 0.81
CIELCh	93, 38.129, 178.782
Yxy	82.9216, 0.2622, 0.3556
Android (android.graphics.Color)	4287430632 (0xFF8CFFE8)
YUV	217.9930, 6.9055, -68.3999
Hunter-Lab	91.0613, -39.5059, 5.7140

Details

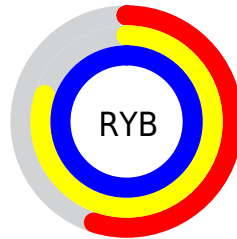
The Yxy color **82.9216, 0.2622, 0.3556** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.6660, 0.4095, 0.3052**, and the grayscale version is **70.0919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.2282, 0.2513, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **80.6725, 0.2545, 0.3626**, and if you desaturate by 10%, it is **85.6951, 0.2715, 0.3489**.

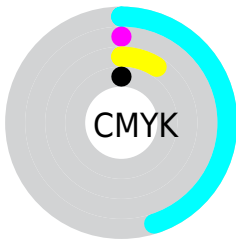
Distribution



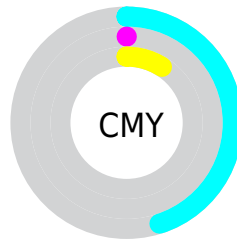
- Red (55%)
- Green (100%)
- Blue (91%)



- Red (55%)
- Yellow (80%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9216, 0.2622, 0.3556 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 82.9216, 0.2622, 0.3556 by changing the saturation by 10% instead.


 82.9216, 0.2622,
0.3556

 82.9216, 0.2622,
0.3556


504.7252, 0.2849,
0.3436

 62.1255, 0.2572,
0.3583


 137.4656, 0.2700,
0.3515

 45.1341, 0.2510,
0.3615


 171.9824, 0.2730,
0.3499

 31.5631, 0.2434,
0.3656


211.8414, 0.2757,
0.3485

 21.0280, 0.2335,
0.3709

257.4272, 0.2780,
0.3473

 13.1445, 0.2206,
0.3778

309.1240, 0.2800,
0.3462

 7.5281, 0.2026,
0.3875

367.3164, 0.2818,

 3.7945, 0.1765,

0.3452

0.4017

432.3886, 0.2835,
0.3444

■ 1.5593, 0.1205,
0.4318

■ 0.3299, 0.0000,
0.5216

■ 82.9216, 0.2622,
0.3556

■ 82.9216, 0.2622,
0.3556

■ 80.6725, 0.2545,
0.3626

■ 85.6951, 0.2715,
0.3489

■ 78.9077, 0.2486,
0.3699

■ 89.0214, 0.2822,
0.3426

■ 77.5878, 0.2447,
0.3772

■ 92.9318, 0.2938,
0.3368

■ 76.6654, 0.2428,
0.3846

■ 97.4540, 0.3062,
0.3315

■ 76.0822, 0.2427,
0.3920

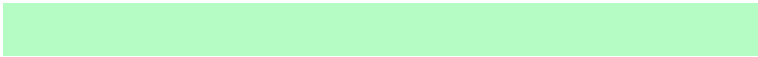
100.0000, 0.3127,
0.3290

■ 75.8791, 0.2432,
0.3955

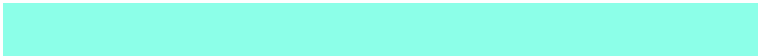
Harmonies

Analogous

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



82.9216, 0.3008, 0.3928



82.9216, 0.2622, 0.3556



82.9216, 0.2379, 0.3123

Triad

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



82.9216, 0.2622, 0.3556



82.9216, 0.2773, 0.2600



82.9216, 0.3998, 0.3717

Complementary

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



82.9216, 0.2622, 0.3556



42.6660, 0.4095, 0.3052

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.



82.9216, 0.3936, 0.3369



82.9216, 0.2622, 0.3556



82.9216, 0.3200, 0.2753

Square

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



82.9216, 0.2622, 0.3556



82.9216, 0.2462, 0.2604



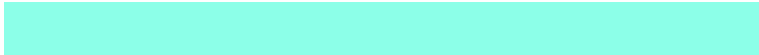
82.9216, 0.3635, 0.3027



82.9216, 0.3811, 0.3989

Rectangle

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



82.9216, 0.2622, 0.3556



82.9216, 0.2320, 0.2879



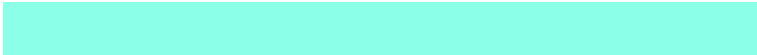
82.9216, 0.3635, 0.3027



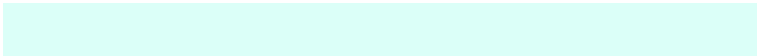
82.9216, 0.4006, 0.3605

Sweetspot

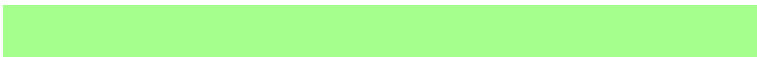
The Sweet Spot groups the original color and five complimentary colors.



82.9230, 0.2622, 0.3556



93.3952, 0.2951, 0.3362



81.4057, 0.3200, 0.4652



19.7959, 0.2925, 0.3374



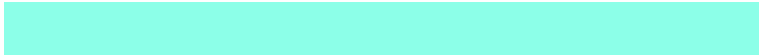
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9230, 0.2622, 0.3556



80.8939, 0.2552, 0.3618



65.2635, 0.2453, 0.2905



20.4155, 0.3007, 0.3338



39.6704, 0.2429, 0.3943



3.8777, 0.2405, 0.3859

Inverse Universe

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



42.6660, 0.4095, 0.3052



36.0922, 0.4404, 0.3014



52.8860, 0.4180, 0.3634



18.0465, 0.3263, 0.3243



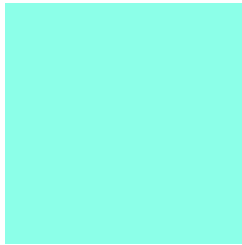
11.2504, 0.6080, 0.3123



1.1100, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 82.9216, 0.2622, 0.3556 looks on a white background.

Color Contrast Check

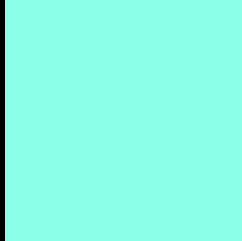
Large Text (above 18pt) WCAG AA × Fail

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 82.9216, 0.2622, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

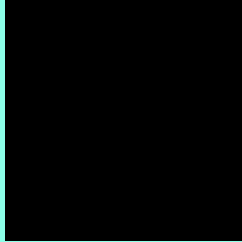
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9216, 0.2622, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 82.9216, 0.2622, 0.3556.

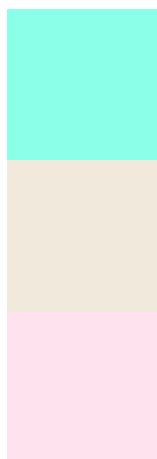


This preview shows how white text looks on a background with the Yxy color 82.9216, 0.2622, 0.3556.

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

82.9216, 0.2622, 0.3556

Protanopia

82.1459, 0.3265, 0.3424

Deuteranopia

81.6366, 0.3244, 0.3172



Tritanopia

82.3976, 0.2746, 0.3160

Trichromacy



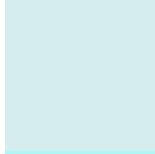
Original Color

82.9216, 0.2622, 0.3556



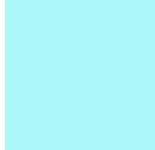
Protanomaly

81.1298, 0.2991, 0.3475



Deuteranomaly

80.7706, 0.2977, 0.3300



Tritanomaly

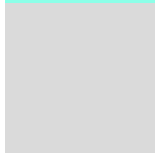
82.0076, 0.2689, 0.3289

Monochromacy



Original Color

82.9216, 0.2622, 0.3556



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4267, 0.2906, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9216, 0.2622, 0.3556 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(140, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 232)  
}
```

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(140, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 82.9216, 0.2622, 0.3556 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(140, 255, 232) }
```

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

```
.border{ border-color:rgb(140, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9216, 0.2622, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 232) }
```

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

```
.background{ background-color: rgb(140,  
255, 232) }
```

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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