

Converting Colors

$Y_{xy}(76.1258, 0.2435, 0.2957)$

Have a look what the booklet for
Yxy(76.1258, 0.2435, 0.2957)
contains.

Yxy(75.2910, 0.2498, 0.3116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.2910, 0.2498, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	8EF0FF
RGB	142, 240, 255
RGB Percent	56%, 94%, 100%
CMY	0.4434, 0.0588, 0.0000
CMYK	0.44, 0.06, 0.00, 0.00
HSL	188°, 100%, 78%
HSV	188°, 44%, 100%
XYZ	60.3584, 75.2910, 105.9776
YIQ	212.4080, -63.2230, -16.1110

Conversions

Conversions Part 2

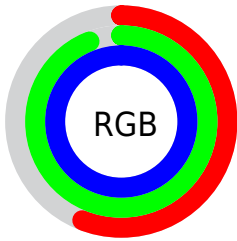
Format	Color
RYB	142, 194, 255
Decimal	9367807
CIELab	89.53, -25.10, -16.26
CIELCh	90, 29.903, 212.936
Yxy	75.2910, 0.2498, 0.3116
Android (android.graphics.Color)	4287557887 (0xFF8EF0FF)
YUV	212.4080, 20.9979, -61.7478
Hunter-Lab	86.7704, -27.6816, -11.6750

Details

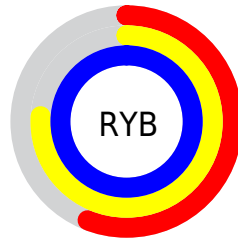
The Yxy color **75.2910, 0.2498, 0.3116** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.2959, 0.4243, 0.3450**, and the grayscale version is **66.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **40.1972, 0.2365, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **71.3187, 0.2389, 0.3071**, and if you desaturate by 10%, it is **79.8189, 0.2623, 0.3160**.

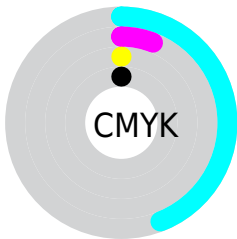
Distribution



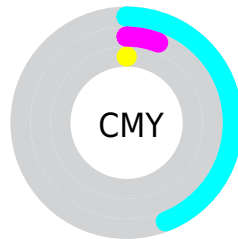
- Red (56%)
- Green (94%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2910, 0.2498, 0.3116 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 75.2910, 0.2498, 0.3116 by changing the saturation by 10% instead.

 75.2910, 0.2498,
0.3116


 75.2910, 0.2498,
0.3116


478.9172, 0.2780,
0.3203

 55.8513, 0.2436,
0.3095


 126.7242, 0.2594,
0.3147

 40.0837, 0.2360,
0.3068


 159.4865, 0.2632,
0.3159

 27.6038, 0.2266,
0.3033


197.4585, 0.2665,
0.3169

 18.0272, 0.2147,
0.2986

241.0245, 0.2694,
0.3178

 10.9695, 0.1991,
0.2920

290.5690, 0.2719,
0.3185

 6.0464, 0.1778,
0.2820

346.4764, 0.2742,

 2.8733, 0.1477,

0.3192

0.2658

409.1309, 0.2762,
0.3198

■ 1.0659, 0.0879,
0.2403

■ 0.0000, 0.0000,
0.0000

■ 75.2910, 0.2498,
0.3116

■ 75.2910, 0.2498,
0.3116

■ 71.3187, 0.2389,
0.3071

■ 79.8189, 0.2623,
0.3160

■ 67.8620, 0.2298,
0.3024

■ 84.9307, 0.2760,
0.3201

■ 64.8819, 0.2226,
0.2977

■ 90.6576, 0.2907,
0.3240

■ 62.3315, 0.2174,
0.2929

■ 97.0275, 0.3060,
0.3276

■ 60.1532, 0.2140,
0.2883

100.0000, 0.3127,
0.3290

■ 59.0396, 0.2127,
0.2856

Harmonies

Analogous

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



75.2910, 0.2681, 0.3458



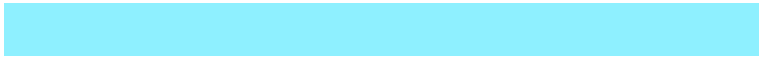
75.2910, 0.2498, 0.3116



75.2910, 0.2474, 0.2851

Triad

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



75.2910, 0.2498, 0.3116



75.2910, 0.3240, 0.2874



75.2910, 0.3651, 0.3881

Complementary

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



75.2910, 0.2498, 0.3116



47.2959, 0.4243, 0.3450

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.



75.2910, 0.3824, 0.3682



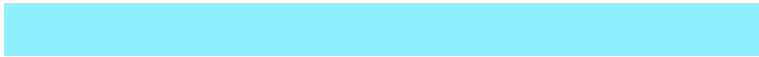
75.2910, 0.2498, 0.3116



75.2910, 0.3581, 0.3114

Square

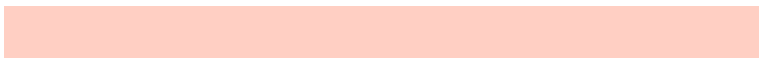
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



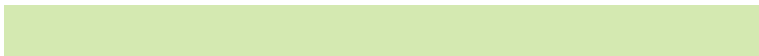
75.2910, 0.2498, 0.3116



75.2910, 0.2885, 0.2732



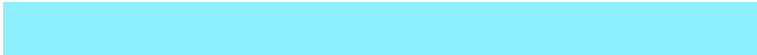
75.2910, 0.3800, 0.3403



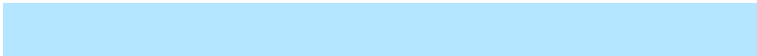
75.2910, 0.3342, 0.3922

Rectangle

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



75.2910, 0.2498, 0.3116



75.2910, 0.2548, 0.2747



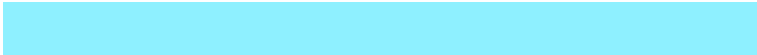
75.2910, 0.3800, 0.3403



75.2910, 0.3728, 0.3829

Sweetspot

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



75.2924, 0.2498, 0.3116



91.4745, 0.2927, 0.3245



79.6350, 0.3000, 0.4522



19.2930, 0.2894, 0.3237



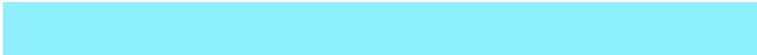
0.0000, 0.0000, 0.0000



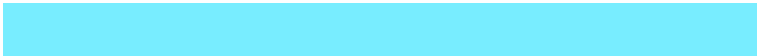
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2924, 0.2498, 0.3116



71.8211, 0.2403, 0.3077



47.7763, 0.2381, 0.2441



20.0465, 0.2980, 0.3258



31.0092, 0.2129, 0.2864



3.1283, 0.2144, 0.2917

Inverse Universe

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



46.8766, 0.3307, 0.2326



40.7764, 0.3351, 0.2160



70.1258, 0.3973, 0.4004



18.2565, 0.3158, 0.3086



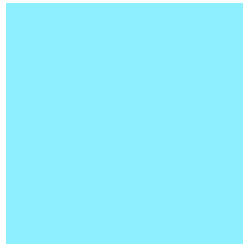
13.8584, 0.3576, 0.1743



1.3604, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 75.2910, 0.2498, 0.3116 looks on a white background.

Color Contrast Check

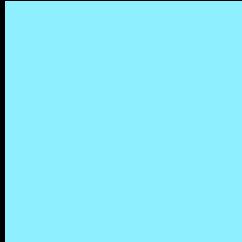
Large Text (above 18pt) WCAG AA × Fail

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 75.2910, 0.2498, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

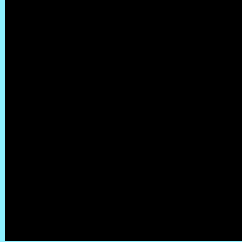
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2910, 0.2498, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 75.2910, 0.2498, 0.3116.

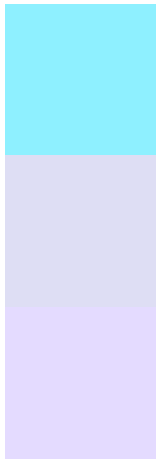


This preview shows how white text looks on a background with the Yxy color 75.2910, 0.2498, 0.3116.

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

75.2910, 0.2498, 0.3116

Protanopia

74.3038, 0.2987, 0.3058

Deuteranopia

74.3770, 0.2959, 0.2920



Tritanopia

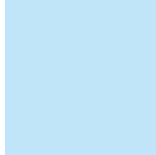
75.3376, 0.2554, 0.3096

Trichromacy



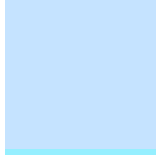
Original Color

75.2910, 0.2498, 0.3116



Protanomaly

74.1534, 0.2782, 0.3081



Deuteranomaly

74.0285, 0.2766, 0.2987



Tritanomaly

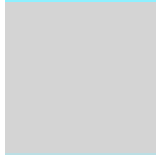
75.4370, 0.2532, 0.3106

Monochromacy



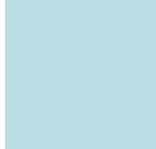
Original Color

75.2910, 0.2498, 0.3116



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.4088, 0.2853, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2910, 0.2498, 0.3116 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(142, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 240, 255)  
}
```

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(142, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.2910, 0.2498, 0.3116 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(142, 240, 255) }
```

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

```
.border{ border-color:rgb(142, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2910, 0.2498, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 240, 255) }
```

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

```
.background{ background-color: rgb(142,  
240, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor