

Converting Colors

$Y_{xy}(75.8336, 0.2514, 0.3122)$

Have a look what the booklet for
Yxy(75.8336, 0.2514, 0.3122)
contains.

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Color

Yxy(75.5599, 0.2512, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	91F0FF
RGB	145, 240, 255
RGB Percent	57%, 94%, 100%
CMY	0.4310, 0.0588, 0.0001
CMYK	0.43, 0.06, 0.00, 0.00
HSL	188°, 100%, 78%
HSV	188°, 43%, 100%
XYZ	60.8940, 75.5599, 105.9584
YIQ	213.3050, -61.4350, -15.4750

Conversions

Conversions Part 2

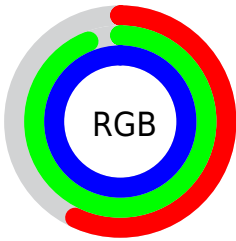
Format	Color
RYB	145, 196, 255
Decimal	9564415
CIELab	89.65, -24.37, -16.03
CIELCh	90, 29.170, 213.336
Yxy	75.5599, 0.2512, 0.3117
Android (android.graphics.Color)	4287754495 (0xFF91F0FF)
YUV	213.3050, 20.5556, -59.9035
Hunter-Lab	86.9252, -27.0740, -11.4245

Details

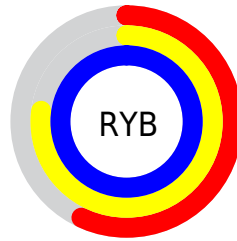
The Yxy color **75.5599, 0.2512, 0.3117** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.4654, 0.4195, 0.3450**, and the grayscale version is **66.6580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **40.3366, 0.2378, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **71.4724, 0.2400, 0.3070**, and if you desaturate by 10%, it is **80.2123, 0.2639, 0.3162**.

Distribution



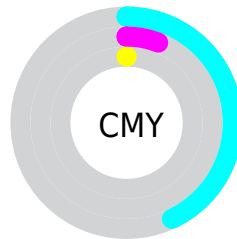
- Red (57%)
- Green (94%)
- Blue (100%)



- Red (57%)
- Yellow (77%)
- Blue (100%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5599, 0.2512, 0.3117 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 75.5599, 0.2512, 0.3117 by changing the saturation by 10% instead.


 75.5599, 0.2512,
0.3117


 75.5599, 0.2512,
0.3117


479.8398, 0.2788,
0.3203

 56.0717, 0.2451,
0.3096


 127.1046, 0.2606,
0.3148

 40.2604, 0.2377,
0.3070


 159.9299, 0.2643,
0.3160

 27.7416, 0.2285,
0.3035


197.9697, 0.2675,
0.3170

 18.1310, 0.2168,
0.2989

241.6084, 0.2703,
0.3178

 11.0441, 0.2015,
0.2924

291.2303, 0.2728,
0.3186

 6.0965, 0.1807,
0.2826

347.2200, 0.2750,

 2.9038, 0.1511,

0.3192

0.2668

409.9617, 0.2770,
0.3198

■ 1.0817, 0.0939,
0.2414

■ 0.0000, 0.0000,
0.0000

■ 75.5599, 0.2512,
0.3117

■ 75.5599, 0.2512,
0.3117

■ 71.4724, 0.2400,
0.3070

■ 80.2123, 0.2639,
0.3162

■ 67.9055, 0.2306,
0.3022

■ 85.4529, 0.2777,
0.3204

■ 64.8225, 0.2232,
0.2973

■ 91.3142, 0.2925,
0.3243

■ 62.1774, 0.2176,
0.2925

■ 97.8237, 0.3079,
0.3280

■ 59.9145, 0.2140,
0.2877

99.9982, 0.3127,
0.3290

■ 58.5198, 0.2123,
0.2844

Harmonies

Analogous

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



75.5599, 0.2689, 0.3449



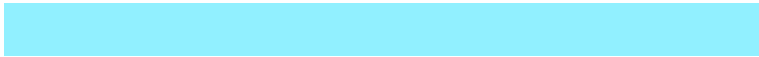
75.5599, 0.2512, 0.3117



75.5599, 0.2490, 0.2859

Triad

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



75.5599, 0.2512, 0.3117



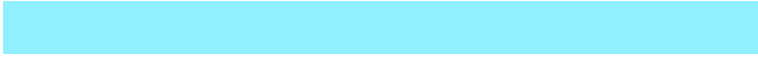
75.5599, 0.3242, 0.2887



75.5599, 0.3635, 0.3868

Complementary

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



75.5599, 0.2512, 0.3117



48.4654, 0.4195, 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.



75.5599, 0.3805, 0.3677



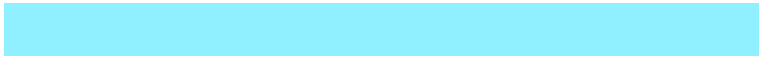
75.5599, 0.2512, 0.3117



75.5599, 0.3573, 0.3122

Square

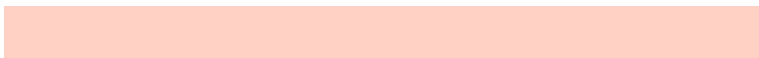
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5599, 0.2512, 0.3117



75.5599, 0.2896, 0.2746



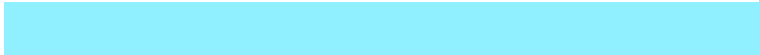
75.5599, 0.3784, 0.3404



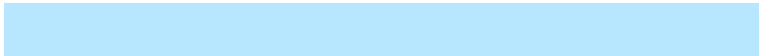
75.5599, 0.3333, 0.3904

Rectangle

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



75.5599, 0.2512, 0.3117



75.5599, 0.2564, 0.2759



75.5599, 0.3784, 0.3404



75.5599, 0.3710, 0.3818

Sweetspot

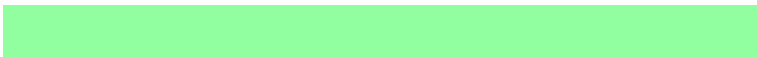
The Sweet Spot groups the original color and five complimentary colors.



75.5628, 0.2512, 0.3117



91.3968, 0.2927, 0.3244



80.0589, 0.2994, 0.4458



19.2737, 0.2893, 0.3235



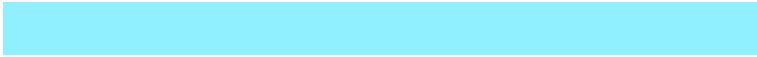
0.0000, 0.0000, 0.0000



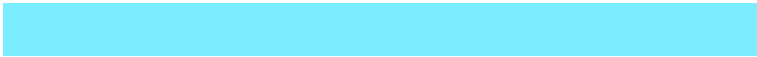
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5628, 0.2512, 0.3117



71.9125, 0.2412, 0.3075



48.1018, 0.2398, 0.2446



20.0342, 0.2980, 0.3257



30.7486, 0.2126, 0.2852



3.1055, 0.2141, 0.2906

Inverse Universe

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



47.8227, 0.3304, 0.2355



41.3876, 0.3350, 0.2183



71.7402, 0.3937, 0.4002



18.2553, 0.3159, 0.3087



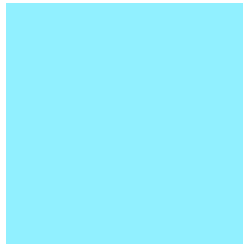
13.8321, 0.3587, 0.1750



1.3580, 0.3538, 0.1722

Previews

White Background



This preview shows how the Yxy color 75.5599, 0.2512, 0.3117 looks on a white background.

Color Contrast Check

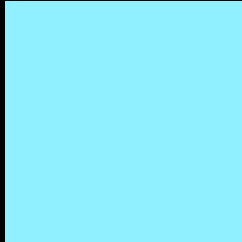
Large Text (above 18pt) WCAG AA × Fail

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 75.5599, 0.2512, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

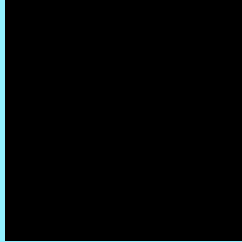
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5599, 0.2512, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 75.5599, 0.2512, 0.3117.

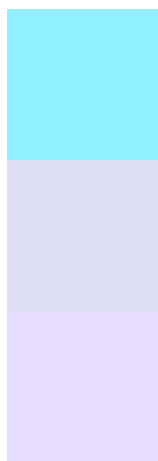


This preview shows how white text looks on a background with the Yxy color 75.5599, 0.2512, 0.3117.

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

75.5599, 0.2512, 0.3117

Protanopia

74.8366, 0.2987, 0.3069

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

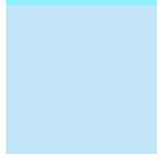
75.6382, 0.2568, 0.3097

Trichromacy



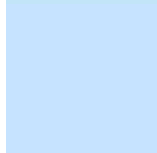
Original Color

75.5599, 0.2512, 0.3117



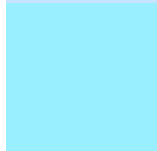
Protanomaly

74.2853, 0.2788, 0.3081



Deuteranomaly

74.1639, 0.2772, 0.2987



Tritanomaly

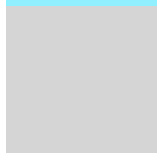
75.7253, 0.2546, 0.3107

Monochromacy



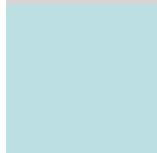
Original Color

75.5599, 0.2512, 0.3117



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.0682, 0.2860, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5599, 0.2512, 0.3117 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(145, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.5599, 0.2512, 0.3117 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(145, 240, 255) }
```

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

```
.border{ border-color:rgb(145, 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(145, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5599, 0.2512, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 240, 255) }
```

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

```
.background{ background-color: rgb(145,  
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](#).

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