

Converting Colors

$Y_{xy}(74.7903, 0.2468, 0.2979)$

Have a look what the booklet for
Yxy(74.7903, 0.2468, 0.2979)
contains.

Yxy(73.8994, 0.2510, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8994, 0.2510, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	92EDFF
RGB	146, 237, 255
RGB Percent	57%, 93%, 100%
CMY	0.4275, 0.0706, 0.0000
CMYK	0.43, 0.07, 0.00, 0.00
HSL	190°, 100%, 79%
HSV	190°, 43%, 100%
XYZ	60.1841, 73.8994, 105.6939
YIQ	211.8430, -60.0140, -13.6940

Conversions

Conversions Part 2

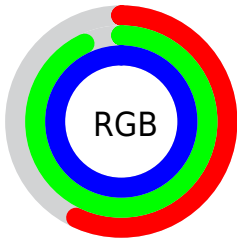
Format	Color
RYB	146, 196, 255
Decimal	9629183
CIELab	88.87, -22.69, -17.21
CIELCh	89, 28.478, 217.178
Yxy	73.8994, 0.2510, 0.3082
Android (android.graphics.Color)	4287819263 (0xFF92EDFF)
YUV	211.8430, 21.2764, -57.7443
Hunter-Lab	85.9648, -25.4701, -12.7219

Details

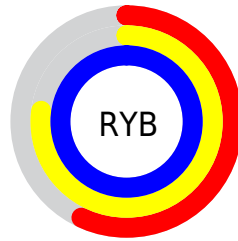
The Yxy color **73.8994, 0.2510, 0.3082** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.8725, 0.4168, 0.3482**, and the grayscale version is **65.6130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **39.1997, 0.2377, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **69.4128, 0.2394, 0.3025**, and if you desaturate by 10%, it is **78.9700, 0.2640, 0.3136**.

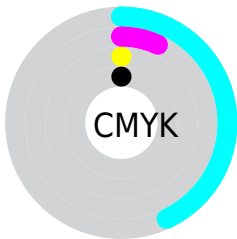
Distribution



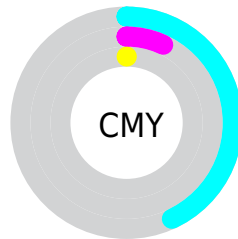
- Red (57%)
- Green (93%)
- Blue (100%)



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



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8994, 0.2510, 0.3082 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 73.8994, 0.2510, 0.3082 by changing the saturation by 10% instead.


 73.8994, 0.2510,
0.3082


 73.8994, 0.2510,
0.3082

474.1261, 0.2788,
0.3184

 54.7117, 0.2449,
0.3057


 124.7532, 0.2605,
0.3119

 39.1710, 0.2374,
0.3026


 157.1881, 0.2642,
0.3132

 26.8927, 0.2281,
0.2986


194.8075, 0.2675,
0.3144

 17.4927, 0.2162,
0.2933

237.9958, 0.2703,
0.3155

 10.5864, 0.2007,
0.2857

287.1374, 0.2728,
0.3163

 5.7894, 0.1795,
0.2745

342.6167, 0.2750,

 2.7175, 0.1492,

0.3171

404.8182, 0.2770,
0.3178

0.2565

0.9861, 0.0879,
0.2283

0.0000, 0.0000,
0.0000

73.8994, 0.2510,
0.3082

73.8994, 0.2510,
0.3082

69.4128, 0.2394,
0.3025

78.9700, 0.2640,
0.3136

65.4661, 0.2296,
0.2966

84.6481, 0.2781,
0.3188

62.0224, 0.2216,
0.2906

90.9664, 0.2930,
0.3235

59.0359, 0.2157,
0.2846

97.9523, 0.3084,
0.3279

■ 56.4510, 0.2116,
0.2787

99.9997, 0.3127,
0.3290

■ 54.7699, 0.2096,
0.2744

Harmonies

Analogous

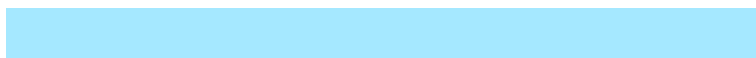
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8994, 0.2666, 0.3404



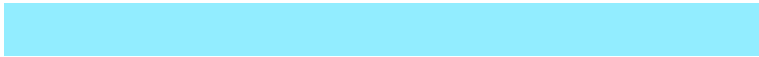
73.8994, 0.2510, 0.3082



73.8994, 0.2509, 0.2843

Triad

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



73.8994, 0.2510, 0.3082



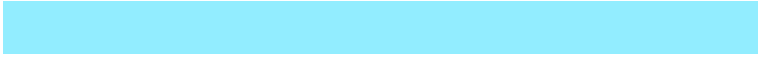
73.8994, 0.3286, 0.2918



73.8994, 0.3595, 0.3873

Complementary

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



73.8994, 0.2510, 0.3082



49.8725, 0.4168, 0.3482

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.



73.8994, 0.3782, 0.3701



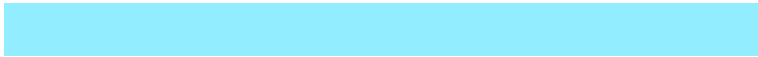
73.8994, 0.2510, 0.3082



73.8994, 0.3601, 0.3159

Square

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



73.8994, 0.2510, 0.3082



73.8994, 0.2941, 0.2766



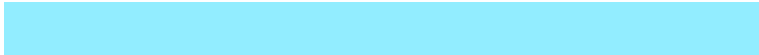
73.8994, 0.3786, 0.3439



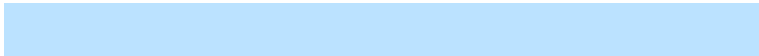
73.8994, 0.3286, 0.3885

Rectangle

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



73.8994, 0.2510, 0.3082



73.8994, 0.2595, 0.2755



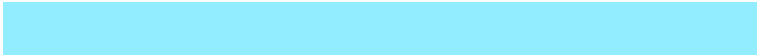
73.8994, 0.3786, 0.3439



73.8994, 0.3674, 0.3830

Sweetspot

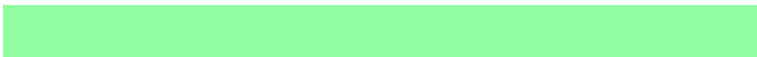
The Sweet Spot groups the original color and five complimentary colors.



73.9023, 0.2510, 0.3082



90.8058, 0.2926, 0.3234



80.2462, 0.2986, 0.4424



19.1264, 0.2893, 0.3224



0.0000, 0.0000, 0.0000



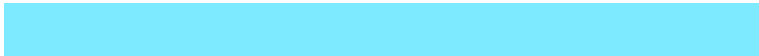
21.4041, 0.3127, 0.3290

Same Dimension

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



73.9023, 0.2510, 0.3082



70.1622, 0.2414, 0.3035



47.6660, 0.2401, 0.2431



19.9411, 0.2980, 0.3250



28.8090, 0.2099, 0.2754



2.9347, 0.2117, 0.2822

Inverse Universe

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



47.9256, 0.3330, 0.2389



41.8289, 0.3380, 0.2232



72.8767, 0.3921, 0.4014



18.2459, 0.3163, 0.3094



13.6363, 0.3677, 0.1799



1.3408, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 73.8994, 0.2510, 0.3082 looks on a white background.

Color Contrast Check

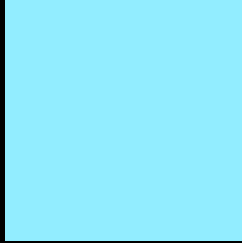
Large Text (above 18pt) WCAG AA × Fail

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 73.8994, 0.2510, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

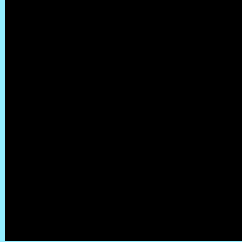
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8994, 0.2510, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 73.8994, 0.2510, 0.3082.

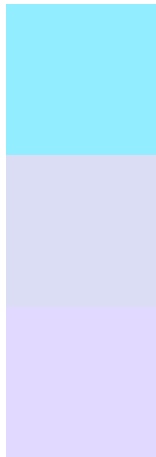


This preview shows how white text looks on a background with the Yxy color 73.8994, 0.2510, 0.3082.

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

73.8994, 0.2510, 0.3082

Protanopia

73.3046, 0.2967, 0.3046

Deuteranopia

72.8533, 0.2938, 0.2896



Tritanopia

73.6005, 0.2522, 0.3071

Trichromacy



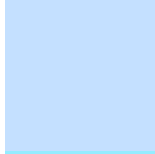
Original Color

73.8994, 0.2510, 0.3082



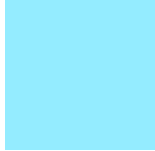
Protanomaly

72.9219, 0.2774, 0.3058



Deuteranomaly

72.2671, 0.2757, 0.2953



Tritanomaly

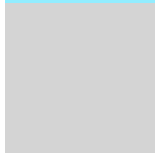
73.5068, 0.2517, 0.3071

Monochromacy



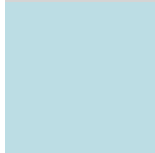
Original Color

73.8994, 0.2510, 0.3082



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.0057, 0.2859, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8994, 0.2510, 0.3082 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(146, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 237, 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(146, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.8994, 0.2510, 0.3082 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(146, 237, 255) }
```

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

```
.border{ border-color:rgb(146, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(146, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8994, 0.2510, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 237, 255) }
```

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

```
.background{ background-color: rgb(146,  
237, 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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