

Converting Colors

$Yxy(73.7539, 0.2382, 0.2804)$

Have a look what the booklet for
Yxy(73.7539, 0.2382, 0.2804)
contains.

Yxy(72.2994, 0.2484, 0.3057)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2994, 0.2484, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	8DEBFF
RGB	141, 235, 255
RGB Percent	55%, 92%, 100%
CMY	0.4468, 0.0784, 0.0000
CMYK	0.45, 0.08, 0.00, 0.00
HSL	191°, 100%, 78%
HSV	191°, 45%, 100%
XYZ	58.7477, 72.2994, 105.4573
YIQ	209.1740, -62.4440, -13.7080

Conversions

Conversions Part 2

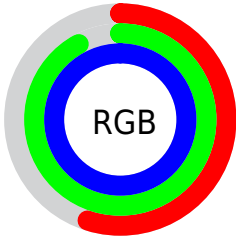
Format	Color
R_{YB}	141, 193, 255
Decimal	9300991
CIE _{Lab}	88.11, -22.85, -18.38
CIE _{LCh}	88, 29.321, 218.809
Y _{xy}	72.2994, 0.2484, 0.3057
Android (android.graphics.Color)	4287491071 (0xFF8DEBFF)
YUV	209.1740, 22.5922, -59.7886
Hunter-Lab	85.0291, -25.4728, -14.0141

Details

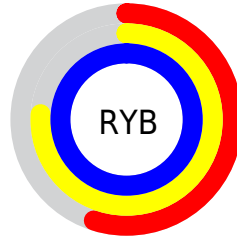
The Yxy color **72.2994, 0.2484, 0.3057** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6893, 0.4230, 0.3503**, and the grayscale version is **63.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **38.1113, 0.2344, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **67.7872, 0.2370, 0.2996**, and if you desaturate by 10%, it is **77.3961, 0.2612, 0.3116**.

Distribution



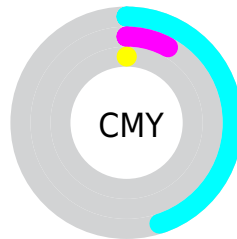
- Red (55%)
- Green (92%)
- Blue (100%)



- Red (55%)
- Yellow (76%)
- Blue (100%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2994, 0.2484, 0.3057 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 72.2994, 0.2484, 0.3057 by changing the saturation by 10% instead.

 72.2994, 0.2484,
0.3057


 72.2994, 0.2484,
0.3057

468.5830, 0.2774,
0.3172

 53.4033, 0.2420,
0.3029


 122.4821, 0.2583,
0.3098

 38.1248, 0.2341,
0.2995


 154.5375, 0.2622,
0.3114

 26.0796, 0.2244,
0.2950


191.7481, 0.2656,
0.3127

 16.8832, 0.2120,
0.2890

234.4983, 0.2686,
0.3138

 10.1512, 0.1957,
0.2805

283.1725, 0.2712,
0.3148

 5.4993, 0.1735,
0.2680

338.1551, 0.2735,

 2.5431, 0.1420,

0.3157

0.2479

399.8305, 0.2756,
0.3165

0.8982, 0.0717,
0.2177

0.0000, 0.0000,
0.0000

72.2994, 0.2484,
0.3057

72.2994, 0.2484,
0.3057

67.7872, 0.2370,
0.2996

77.3961, 0.2612,
0.3116

63.8151, 0.2274,
0.2933

83.1019, 0.2752,
0.3171

60.3448, 0.2197,
0.2869

89.4498, 0.2901,
0.3222

57.3290, 0.2139,
0.2805

96.4677, 0.3054,
0.3269

■ 54.7095, 0.2101,
0.2741

99.9994, 0.3127,
0.3290

■ 53.4341, 0.2086,
0.2708

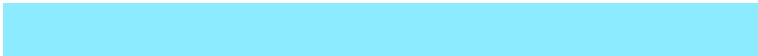
Harmonies

Analogous

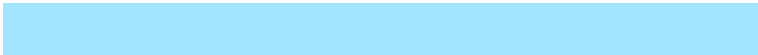
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2994, 0.2637, 0.3389



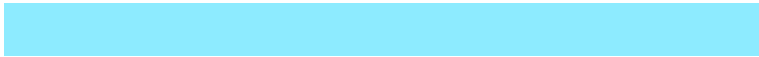
72.2994, 0.2484, 0.3057



72.2994, 0.2492, 0.2816

Triad

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



72.2994, 0.2484, 0.3057



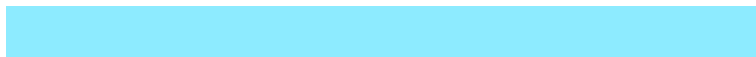
72.2994, 0.3311, 0.2917



72.2994, 0.3596, 0.3900

Complementary

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



72.2994, 0.2484, 0.3057



48.6893, 0.4230, 0.3503

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.



72.2994, 0.3800, 0.3728



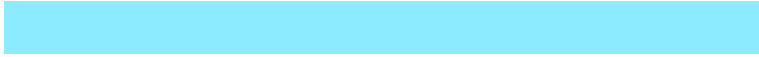
72.2994, 0.2484, 0.3057



72.2994, 0.3634, 0.3169

Square

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



72.2994, 0.2484, 0.3057



72.2994, 0.2952, 0.2753



72.2994, 0.3816, 0.3459



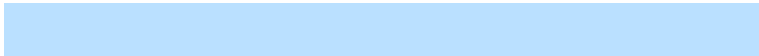
72.2994, 0.3272, 0.3903

Rectangle

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



72.2994, 0.2484, 0.3057



72.2994, 0.2586, 0.2732



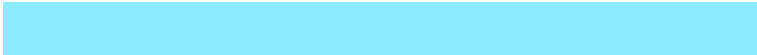
72.2994, 0.3816, 0.3459



72.2994, 0.3682, 0.3858

Sweetspot

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



72.3022, 0.2484, 0.3057



90.5905, 0.2926, 0.3231



79.7211, 0.2972, 0.4461



19.0727, 0.2893, 0.3220



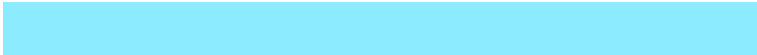
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



72.3022, 0.2484, 0.3057



68.0834, 0.2378, 0.3000



45.1405, 0.2362, 0.2360



19.9071, 0.2980, 0.3247



28.1208, 0.2089, 0.2718



2.8739, 0.2109, 0.2790

Inverse Universe

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



46.3221, 0.3353, 0.2361



39.8129, 0.3413, 0.2191



72.8148, 0.3954, 0.4063



18.2424, 0.3165, 0.3096



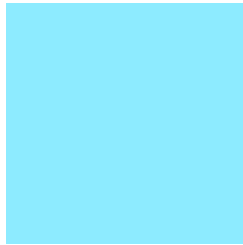
13.5668, 0.3711, 0.1818



1.3347, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 72.2994, 0.2484, 0.3057 looks on a white background.

Color Contrast Check

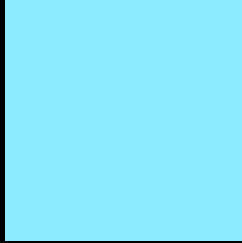
Large Text (above 18pt) WCAG AA × Fail

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 72.2994, 0.2484, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

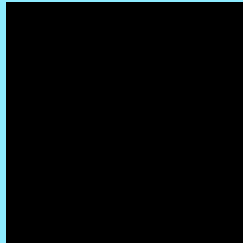
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2994, 0.2484, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 72.2994, 0.2484, 0.3057.



This preview shows how white text looks on a background with the Yxy color 72.2994, 0.2484, 0.3057.

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

72.2994, 0.2484, 0.3057

Protanopia

71.4262, 0.2953, 0.3012

Deuteranopia

71.3505, 0.2918, 0.2873



Tritanopia

72.2351, 0.2488, 0.3068

Trichromacy



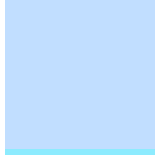
Original Color

72.2994, 0.2484, 0.3057



Protanomaly

70.9074, 0.2753, 0.3023



Deuteranomaly

70.8000, 0.2737, 0.2929



Tritanomaly

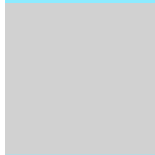
72.2351, 0.2488, 0.3068

Monochromacy



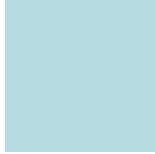
Original Color

72.2994, 0.2484, 0.3057



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.8241, 0.2844, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2994, 0.2484, 0.3057 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(141, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 235, 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(141, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.2994, 0.2484, 0.3057 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(141, 235, 255) }
```

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

```
.border{ border-color:rgb(141, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2994, 0.2484, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 235, 255) }
```

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

```
.background{ background-color: rgb(141,  
235, 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