

Converting Colors

Yxy(64.2528, 0.2484, 0.2905)

Have a look what the booklet for
Yxy(64.2528, 0.2484, 0.2905)
contains.

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Color

Yxy(64.2344, 0.2485, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	91DCFC
RGB	145, 220, 252
RGB Percent	57%, 86%, 99%
CMY	0.4315, 0.1372, 0.0118
CMYK	0.42, 0.13, 0.00, 0.01
HSL	198°, 95%, 78%
HSV	198°, 42%, 99%
XYZ	54.8342, 64.2344, 101.5923
YIQ	201.2230, -54.9720, -5.9480

Conversions

Conversions Part 2

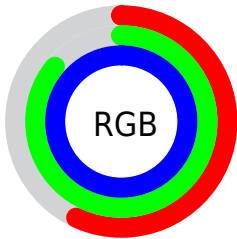
Format	Color
R _Y B	145, 189, 252
Decimal	9559292
CIE _{Lab}	84.09, -15.17, -22.87
CIE _{LCh}	84, 27.445, 236.432
Y _{xy}	64.2344, 0.2485, 0.2911
Android (android.graphics.Color)	4287749372 (0xFF91DCFC)
YUV	201.2230, 25.0331, -49.3076
Hunter-Lab	80.1464, -18.1307, -19.0526

Details

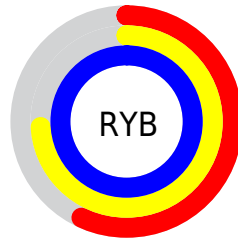
The Yxy color **64.2344, 0.2485, 0.2911** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.1581, 0.4088, 0.3632**, and the grayscale version is **58.4181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **32.9251, 0.2340, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **58.3328, 0.2353, 0.2804**, and if you desaturate by 10%, it is **70.8265, 0.2628, 0.3012**.

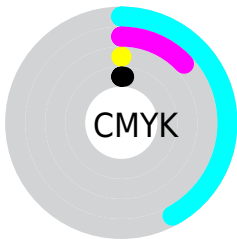
Distribution



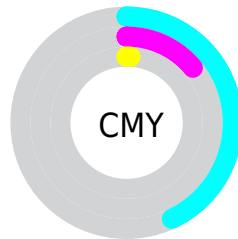
- Red (57%)
- Green (86%)
- Blue (99%)



- Red (57%)
- Yellow (74%)
- Blue (99%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)




- Cyan (43%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2344, 0.2485, 0.2911 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 64.2344, 0.2485, 0.2911 by changing the saturation by 10% instead.

 64.2344, 0.2485,
0.2911

 64.2344, 0.2485,
0.2911

440.0356, 0.2781,
0.3094

 46.8406, 0.2418,
0.2868


 110.9484, 0.2587,
0.2976

 32.9096, 0.2336,
0.2813


 141.0374, 0.2627,
0.3001

 22.0572, 0.2234,
0.2743


176.1269, 0.2661,
0.3022

 13.8989, 0.2101,
0.2650

216.6013, 0.2691,
0.3041

 8.0504, 0.1925,
0.2521

262.8449, 0.2718,
0.3057

 4.1272, 0.1682,
0.2332

315.2423, 0.2741,

 1.7450, 0.1332,

0.3071

0.2036

374.1777, 0.2762,
0.3083

■ 0.4525, 0.0192,
0.1460

■ 0.0000, 0.0000,
0.0000

■ 64.2344, 0.2485,
0.2911

■ 64.2344, 0.2485,
0.2911

■ 58.3328, 0.2353,
0.2804

■ 70.8265, 0.2628,
0.3012

■ 53.0781, 0.2235,
0.2692

■ 78.1348, 0.2779,
0.3107

■ 48.4322, 0.2135,
0.2578

■ 86.1923, 0.2934,
0.3193

■ 44.3488, 0.2055,
0.2463

■ 95.0277, 0.3089,
0.3272

■ 40.7723, 0.1996,
0.2349

99.8075, 0.3145,
0.3319

■ 38.3528, 0.1963,
0.2265

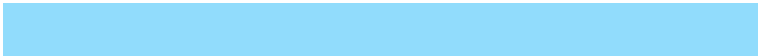
Harmonies

Analogous

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



64.2344, 0.2543, 0.3191



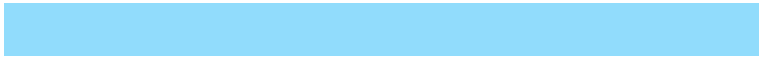
64.2344, 0.2485, 0.2911



64.2344, 0.2585, 0.2752

Triad

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



64.2344, 0.2485, 0.2911



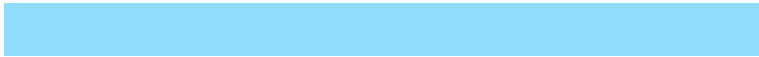
64.2344, 0.3502, 0.3063



64.2344, 0.3408, 0.3908

Complementary

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



64.2344, 0.2485, 0.2911



54.1581, 0.4088, 0.3632

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.



64.2344, 0.3685, 0.3831



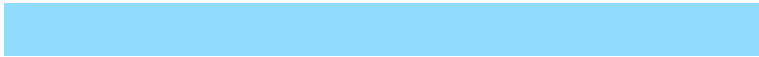
64.2344, 0.2485, 0.2911



64.2344, 0.3746, 0.3338

Square

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



64.2344, 0.2485, 0.2911



64.2344, 0.3160, 0.2848



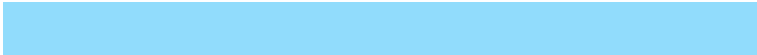
64.2344, 0.3813, 0.3616



64.2344, 0.3065, 0.3798

Rectangle

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



64.2344, 0.2485, 0.2911



64.2344, 0.2732, 0.2725



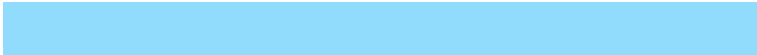
64.2344, 0.3813, 0.3616



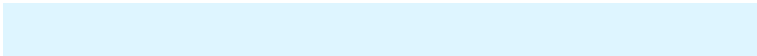
64.2344, 0.3512, 0.3902

Sweetspot

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



64.2369, 0.2485, 0.2911



88.0885, 0.2925, 0.3189



78.7362, 0.2916, 0.4233



18.4507, 0.2891, 0.3170



0.0000, 0.0000, 0.0000



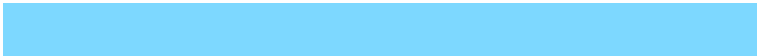
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2369, 0.2485, 0.2911



60.7616, 0.2371, 0.2820



41.1067, 0.2376, 0.2257



18.6815, 0.2980, 0.3217



20.2506, 0.1968, 0.2284



2.0606, 0.2005, 0.2419

Inverse Universe

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



46.1018, 0.3461, 0.2525



40.8799, 0.3554, 0.2382



78.6643, 0.3854, 0.4141



17.4310, 0.3184, 0.3125



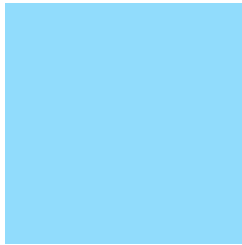
12.4552, 0.4143, 0.2056



1.1723, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 64.2344, 0.2485, 0.2911 looks on a white background.

Color Contrast Check

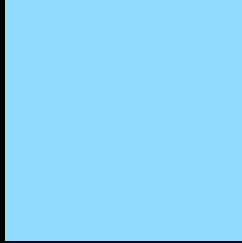
Large Text (above 18pt) WCAG AA × Fail

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 64.2344, 0.2485, 0.2911 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 64.2344, 0.2485, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 64.2344, 0.2485, 0.2911.

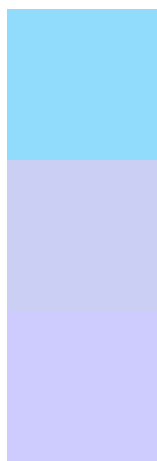


This preview shows how white text looks on a background with the Yxy color 64.2344, 0.2485, 0.2911.

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

64.2344, 0.2485, 0.2911

Protanopia

63.6533, 0.2853, 0.2890

Deuteranopia

63.5275, 0.2805, 0.2738



Tritanopia

64.2846, 0.2532, 0.3071

Trichromacy



Original Color

64.2344, 0.2485, 0.2911

Protanomaly

63.5645, 0.2703, 0.2901

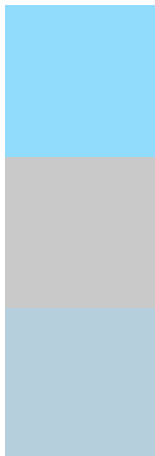
Deuteranomaly

63.4393, 0.2675, 0.2795

Tritanomaly

64.0842, 0.2515, 0.3012

Monochromacy



Original Color

64.2344, 0.2485, 0.2911

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.1028, 0.2854, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2344, 0.2485, 0.2911 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, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(145, 220, 252)  
}
```

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, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 220, 252) }
```

Border

The CSS property to change the border of an element to Yxy 64.2344, 0.2485, 0.2911 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, 220, 252) }
```

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

```
.border{ border-color:rgb(145, 220, 252) }
```

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

Here you see how a box with a 4 pixel rgb(145, 220, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(145, 220,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2344, 0.2485, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 220, 252) }
```

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

```
.background{ background-color: rgb(145,  
220, 252) }
```

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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