

Converting Colors

Yxy(64.0251, 0.2457, 0.2942)

Have a look what the booklet for
Yxy(64.0251, 0.2457, 0.2942)
contains.

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Color

Yxy(63.9334, 0.2458, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	89DDFA
RGB	137, 221, 250
RGB Percent	54%, 87%, 98%
CMY	0.4631, 0.1333, 0.0196
CMYK	0.45, 0.12, 0.00, 0.02
HSL	195°, 92%, 76%
HSV	195°, 45%, 98%
XYZ	53.4155, 63.9334, 99.9638
YIQ	199.1900, -59.3730, -8.7890

Conversions

Conversions Part 2

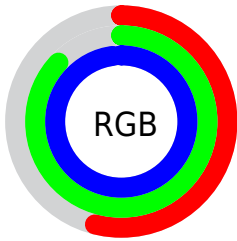
Format	Color
RYB	137, 185, 250
Decimal	9035258
CIELab	83.93, -18.12, -22.09
CIElCh	84, 28.570, 230.634
Yxy	63.9334, 0.2458, 0.2942
Android (android.graphics.Color)	4287225338 (0xFF89DDFA)
YUV	199.1900, 25.0493, -54.5406
Hunter-Lab	79.9584, -20.6818, -18.1534

Details

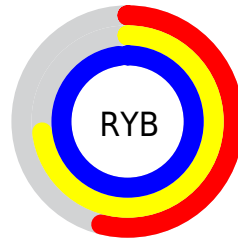
The Yxy color **63.9334, 0.2458, 0.2942** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.3559, 0.4200, 0.3602**, and the grayscale version is **57.0951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **32.7424, 0.2305, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **58.7454, 0.2335, 0.2850**, and if you desaturate by 10%, it is **69.7446, 0.2594, 0.3029**.

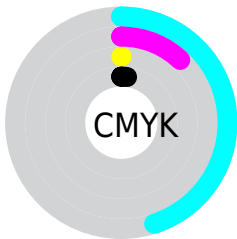
Distribution



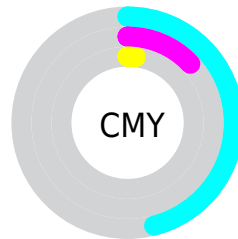
- Red (54%)
- Green (87%)
- Blue (98%)



- Red (54%)
- Yellow (73%)
- Blue (98%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)





- Cyan (46%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9334, 0.2458, 0.2942 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 63.9334, 0.2458, 0.2942 by changing the saturation by 10% instead.


 63.9334, 0.2458,
0.2942


 63.9334, 0.2458,
0.2942

438.9491, 0.2766,
0.3112

 46.5967, 0.2389,
0.2901


 110.5150, 0.2564,
0.3003

 32.7170, 0.2303,
0.2850


 140.5288, 0.2606,
0.3026

 21.9097, 0.2197,
0.2783


175.5370, 0.2642,
0.3046

 13.7906, 0.2059,
0.2695

215.9241, 0.2673,
0.3063

 7.9752, 0.1877,
0.2570

262.0744, 0.2700,
0.3077

 4.0791, 0.1625,
0.2387

314.3725, 0.2725,

 1.7179, 0.1264,

0.3090

0.2095

373.2026, 0.2746,
0.3102

0.4352, 0.0000,
0.1509

0.0000, 0.0000,
0.0000

63.9334, 0.2458,
0.2942

63.9334, 0.2458,
0.2942

58.7454, 0.2335,
0.2850

69.7446, 0.2594,
0.3029

54.1376, 0.2228,
0.2755

76.2041, 0.2740,
0.3111

50.0722, 0.2140,
0.2658

83.3441, 0.2891,
0.3187

46.5026, 0.2072,
0.2561

91.1925, 0.3046,
0.3256

■ 43.3717, 0.2024,
0.2466

■ 98.4424, 0.3157,
0.3319

■ 41.9957, 0.2006,
0.2420

■ 99.6819, 0.3156,
0.3338

Harmonies

Analogous

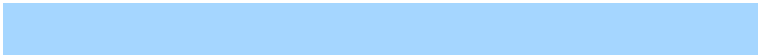
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9334, 0.2550, 0.3252



63.9334, 0.2458, 0.2942



63.9334, 0.2531, 0.2751

Triad

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



63.9334, 0.2458, 0.2942



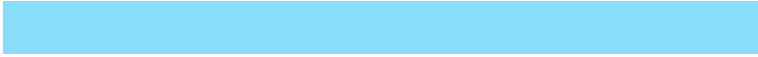
63.9334, 0.3453, 0.3004



63.9334, 0.3483, 0.3934

Complementary

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



63.9334, 0.2458, 0.2942



49.3559, 0.4200, 0.3602

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.



63.9334, 0.3748, 0.3819



63.9334, 0.2458, 0.2942



63.9334, 0.3736, 0.3281

Square

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



63.9334, 0.2458, 0.2942



63.9334, 0.3090, 0.2798



63.9334, 0.3845, 0.3575



63.9334, 0.3132, 0.3858

Rectangle

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



63.9334, 0.2458, 0.2942



63.9334, 0.2665, 0.2704



63.9334, 0.3845, 0.3575



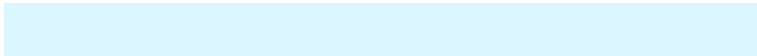
63.9334, 0.3586, 0.3915

Sweetspot

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



63.9358, 0.2458, 0.2942



88.1488, 0.2910, 0.3196



76.4026, 0.2924, 0.4355



18.5048, 0.2877, 0.3180



0.0000, 0.0000, 0.0000



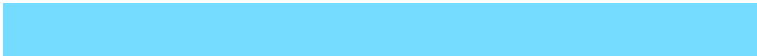
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9358, 0.2458, 0.2942



62.0615, 0.2349, 0.2861



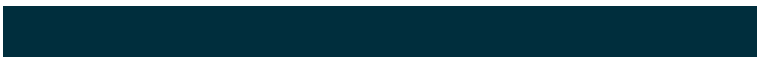
39.1865, 0.2331, 0.2226



18.8115, 0.2980, 0.3228



22.5201, 0.2010, 0.2436



2.2557, 0.2042, 0.2550

Inverse Universe

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



43.4090, 0.3443, 0.2433



39.2050, 0.3526, 0.2284



74.2227, 0.3921, 0.4159



17.4441, 0.3177, 0.3115



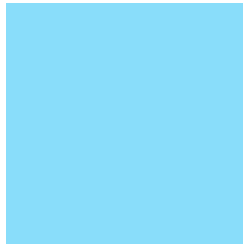
12.6843, 0.3986, 0.1970



1.1919, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 63.9334, 0.2458, 0.2942 looks on a white background.

Color Contrast Check

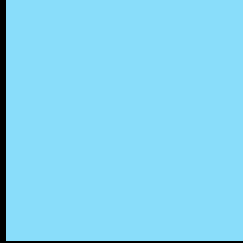
Large Text (above 18pt) WCAG AA × Fail

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 63.9334, 0.2458, 0.2942 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 63.9334, 0.2458, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 63.9334, 0.2458, 0.2942.

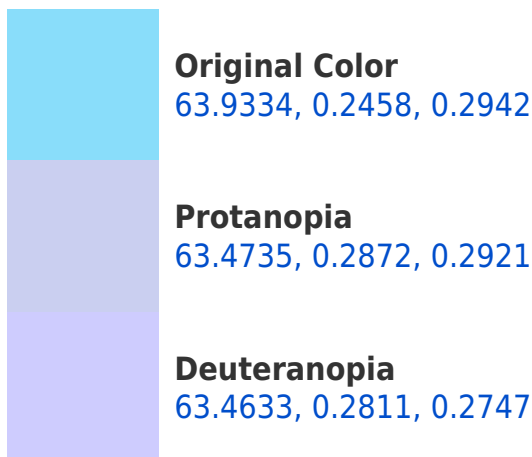


This preview shows how white text looks on a background with the Yxy color 63.9334, 0.2458, 0.2942.

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





Tritanopia

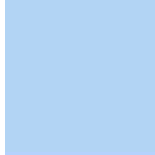
64.1946, 0.2491, 0.3069

Trichromacy



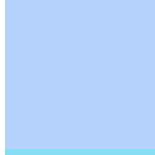
Original Color

63.9334, 0.2458, 0.2942



Protanomaly

63.0836, 0.2696, 0.2920



Deuteranomaly

63.0088, 0.2662, 0.2803



Tritanomaly

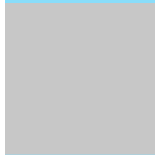
63.9251, 0.2479, 0.3022

Monochromacy



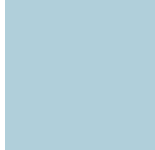
Original Color

63.9334, 0.2458, 0.2942



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.9177, 0.2832, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9334, 0.2458, 0.2942 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(137, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(137, 221, 250)  
}
```

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(137, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 221, 250) }
```

Border

The CSS property to change the border of an element to Yxy 63.9334, 0.2458, 0.2942 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(137, 221, 250) }
```

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

```
.border{ border-color:rgb(137, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(137, 221,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9334, 0.2458, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 221, 250) }
```

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

```
.background{ background-color: rgb(137,  
221, 250) }
```

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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