

Converting Colors

$Y_{xy}(64.1031, 0.2545, 0.2929)$

Have a look what the booklet for
Yxy(64.1031, 0.2545, 0.2929)
contains.

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Color

Yxy(63.9509, 0.2547, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	9BDAF9
RGB	155, 218, 249
RGB Percent	61%, 85%, 98%
CMY	0.3920, 0.1451, 0.0237
CMYK	0.38, 0.12, 0.00, 0.02
HSL	200°, 89%, 79%
HSV	200°, 38%, 98%
XYZ	55.6865, 63.9509, 98.9982
YIQ	202.6970, -47.4990, -3.7150

Conversions

Conversions Part 2

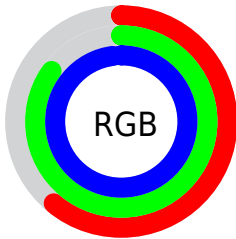
Format	Color
RYB	155, 193, 249
Decimal	10214137
CIELab	83.94, -12.39, -21.44
CIElCh	84, 24.768, 239.974
Yxy	63.9509, 0.2547, 0.2925
Android (android.graphics.Color)	4288404217 (0xFF9BDAF9)
YUV	202.6970, 22.8274, -41.8303
Hunter-Lab	79.9693, -15.6481, -17.4197

Details

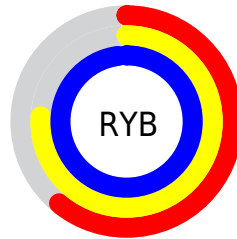
The Yxy color **63.9509, 0.2547, 0.2925** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.6125, 0.3933, 0.3624**, and the grayscale version is **59.4016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **32.6973, 0.2405, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **57.5874, 0.2406, 0.2809**, and if you desaturate by 10%, it is **71.0379, 0.2697, 0.3034**.

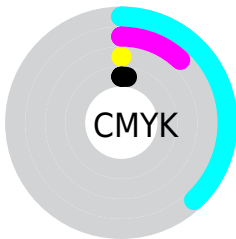
Distribution



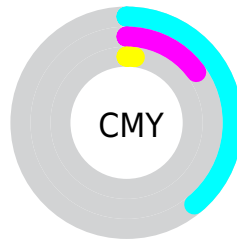
- Red (61%)
- Green (85%)
- Blue (98%)



- Red (61%)
- Yellow (76%)
- Blue (98%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)





- Cyan (39%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9509, 0.2547, 0.2925 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 63.9509, 0.2547, 0.2925 by changing the saturation by 10% instead.

 63.9509, 0.2547,
0.2925


 63.9509, 0.2547,
0.2925


439.0123, 0.2815,
0.3101

 46.6109, 0.2486,
0.2883


 110.5402, 0.2640,
0.2987

 32.7282, 0.2411,
0.2831


 140.5583, 0.2676,
0.3011

 21.9183, 0.2317,
0.2765


175.5713, 0.2707,
0.3031

 13.7969, 0.2195,
0.2676

215.9635, 0.2734,
0.3049

 7.9795, 0.2031,
0.2553

262.1193, 0.2758,
0.3064

 4.0818, 0.1802,
0.2372

314.4231, 0.2780,

 1.7195, 0.1466,

0.3078

0.2088

373.2593, 0.2798,
0.3090

0.4362, 0.0384,
0.1496

0.0000, 0.0000,
0.0000

63.9509, 0.2547,
0.2925

63.9509, 0.2547,
0.2925

57.5874, 0.2406,
0.2809

71.0379, 0.2697,
0.3034

51.9054, 0.2276,
0.2687

78.8726, 0.2851,
0.3134

46.8694, 0.2163,
0.2561

87.4869, 0.3007,
0.3225

42.4367, 0.2069,
0.2433

96.9086, 0.3162,
0.3308

■ 38.5572, 0.1995,
0.2306

■ 99.6171, 0.3162,
0.3348

■ 35.1652, 0.1942,
0.2181

■ 34.4416, 0.1932,
0.2153

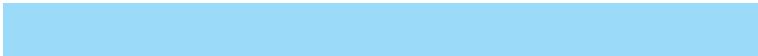
Harmonies

Analogous

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



63.9509, 0.2584, 0.3169



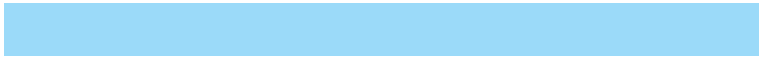
63.9509, 0.2547, 0.2925



63.9509, 0.2655, 0.2794

Triad

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



63.9509, 0.2547, 0.2925



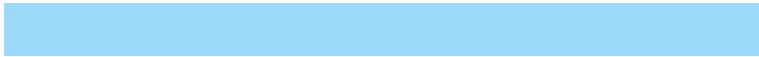
63.9509, 0.3498, 0.3112



63.9509, 0.3348, 0.3844

Complementary

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



63.9509, 0.2547, 0.2925



57.6125, 0.3933, 0.3624

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.



63.9509, 0.3609, 0.3796



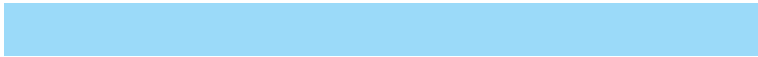
63.9509, 0.2547, 0.2925



63.9509, 0.3702, 0.3367

Square

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



63.9509, 0.2547, 0.2925



63.9509, 0.3196, 0.2906



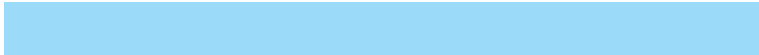
63.9509, 0.3742, 0.3616



63.9509, 0.3036, 0.3723

Rectangle

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



63.9509, 0.2547, 0.2925



63.9509, 0.2799, 0.2778



63.9509, 0.3742, 0.3616



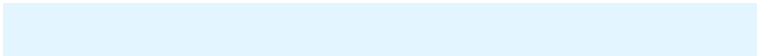
63.9509, 0.3444, 0.3846

Sweetspot

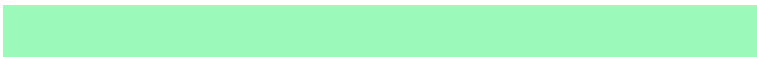
The Sweet Spot groups the original color and five complimentary colors.



63.9534, 0.2547, 0.2925



89.3056, 0.2956, 0.3196



78.1920, 0.2920, 0.4068



18.8483, 0.2935, 0.3184



0.0000, 0.0000, 0.0000



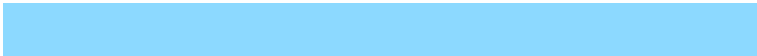
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9534, 0.2547, 0.2925



62.5365, 0.2442, 0.2841



43.4092, 0.2463, 0.2354



18.5880, 0.2980, 0.3210



18.7134, 0.1937, 0.2173



1.9270, 0.1979, 0.2322

Inverse Universe

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



48.6474, 0.3439, 0.2637



45.1085, 0.3522, 0.2514



80.0672, 0.3755, 0.4076



17.4216, 0.3189, 0.3132



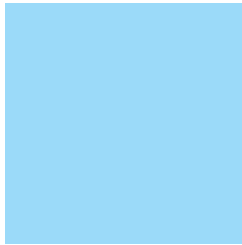
12.3000, 0.4261, 0.2121



1.1588, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 63.9509, 0.2547, 0.2925 looks on a white background.

Color Contrast Check

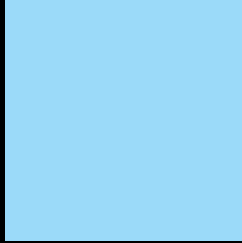
Large Text (above 18pt) WCAG AA × Fail

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 63.9509, 0.2547, 0.2925 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 63.9509, 0.2547, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 63.9509, 0.2547, 0.2925.



This preview shows how white text looks on a background with the Yxy color 63.9509, 0.2547, 0.2925.

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

63.9509, 0.2547, 0.2925

Protanopia

63.5930, 0.2859, 0.2900

Deuteranopia

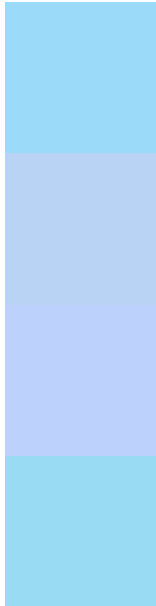
63.4794, 0.2830, 0.2768



Tritanopia

64.0348, 0.2590, 0.3072

Trichromacy



Original Color

63.9509, 0.2547, 0.2925

Protanomaly

63.4954, 0.2733, 0.2902

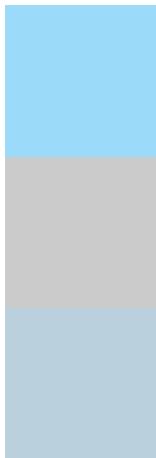
Deuteranomaly

63.2573, 0.2715, 0.2818

Tritanomaly

63.8461, 0.2573, 0.3014

Monochromacy



Original Color

63.9509, 0.2547, 0.2925

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.7182, 0.2888, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9509, 0.2547, 0.2925 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(155, 218, 249)` looks like.

```
.text, #text, p{  
    color:rgb(155, 218, 249)  
}
```

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(155, 218, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 218, 249) }
```

Border

The CSS property to change the border of an element to Yxy 63.9509, 0.2547, 0.2925 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(155, 218, 249) }
```

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

```
.border{ border-color:rgb(155, 218, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 218, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 218, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 218, 249);  
box-shadow:4px 4px 4px 4px rgb(155, 218,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9509, 0.2547, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 218, 249) }
```

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

```
.background{ background-color: rgb(155,  
218, 249) }
```

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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