

Converting Colors

$Yxy(66.5987, 0.2301, 0.2435)$

Have a look what the booklet for
Yxy(66.5987, 0.2301, 0.2435)
contains.

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Color

Yxy(63.6587, 0.2482, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	94DAFF
RGB	148, 218, 255
RGB Percent	58%, 85%, 100%
CMY	0.4193, 0.1451, 0.0000
CMYK	0.42, 0.15, 0.00, 0.00
HSL	201°, 100%, 79%
HSV	201°, 42%, 100%
XYZ	55.3418, 63.6587, 103.9722
YIQ	201.2880, -53.5970, -3.3330

Conversions

Conversions Part 2

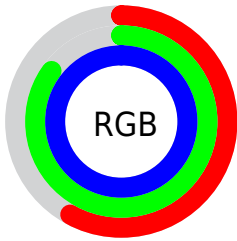
Format	Color
RYB	148, 190, 255
Decimal	9755391
CIELab	83.79, -12.60, -24.90
CIELCh	84, 27.906, 243.155
Yxy	63.6587, 0.2482, 0.2855
Android (android.graphics.Color)	4287945471 (0xFF94DAFF)
YUV	201.2880, 26.4800, -46.7336
Hunter-Lab	79.7864, -15.8142, -21.4122

Details

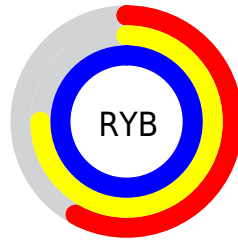
The Yxy color **63.6587, 0.2482, 0.2855** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.1263, 0.4048, 0.3680**, and the grayscale version is **58.4639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **32.4957, 0.2333, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **57.0828, 0.2343, 0.2730**, and if you desaturate by 10%, it is **71.0069, 0.2631, 0.2973**.

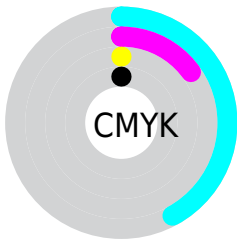
Distribution



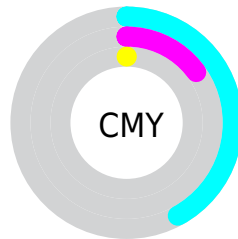
- Red (58%)
- Green (85%)
- Blue (100%)



- Red (58%)
- Yellow (75%)
- Blue (100%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6587, 0.2482, 0.2855 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 63.6587, 0.2482, 0.2855 by changing the saturation by 10% instead.


 63.6587, 0.2482,
0.2855

 63.6587, 0.2482,
0.2855

437.9561, 0.2779,
0.3064

 46.3743, 0.2415,
0.2806


 110.1193, 0.2585,
0.2929

 32.5413, 0.2332,
0.2745


 140.0642, 0.2625,
0.2957

 21.7753, 0.2229,
0.2666


174.9981, 0.2659,
0.2981

 13.6919, 0.2096,
0.2563

215.3054, 0.2690,
0.3002

 7.9067, 0.1919,
0.2421

261.3705, 0.2716,
0.3020

 4.0353, 0.1675,
0.2216

313.5777, 0.2740,

 1.6933, 0.1325,

0.3037

0.1901

372.3114, 0.2761,
0.3051

0.4193, 0.0275,
0.1268

0.0000, 0.0000,
0.0000

63.6587, 0.2482,
0.2855

63.6587, 0.2482,
0.2855

57.0828, 0.2343,
0.2730

71.0069, 0.2631,
0.2973

51.2335, 0.2218,
0.2599

79.1554, 0.2785,
0.3083

46.0702, 0.2110,
0.2465

88.1392, 0.2942,
0.3183

41.5443, 0.2022,
0.2330

97.9890, 0.3097,
0.3274

■ 37.5975, 0.1955,
0.2197

99.9996, 0.3127,
0.3290

■ 34.7672, 0.1914,
0.2092

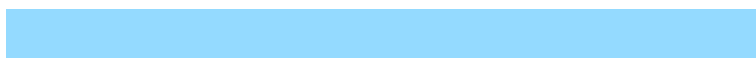
Harmonies

Analogous

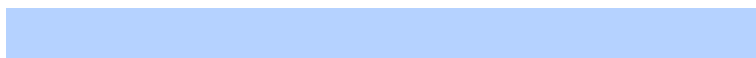
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6587, 0.2505, 0.3116



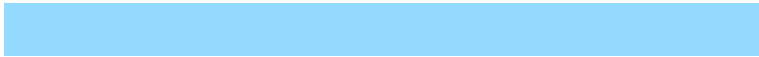
63.6587, 0.2482, 0.2855



63.6587, 0.2619, 0.2726

Triad

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



63.6587, 0.2482, 0.2855



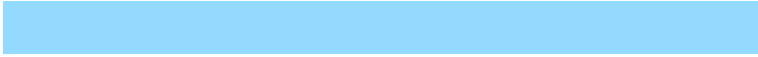
63.6587, 0.3577, 0.3118



63.6587, 0.3337, 0.3913

Complementary

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



63.6587, 0.2482, 0.2855



58.1263, 0.4048, 0.3680

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.



63.6587, 0.3643, 0.3874



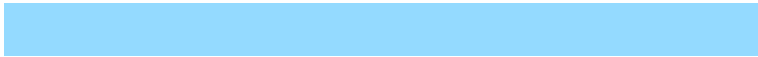
63.6587, 0.2482, 0.2855



63.6587, 0.3792, 0.3404

Square

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



63.6587, 0.2482, 0.2855



63.6587, 0.3242, 0.2881



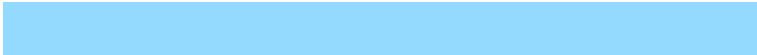
63.6587, 0.3814, 0.3680



63.6587, 0.2986, 0.3757

Rectangle

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



63.6587, 0.2482, 0.2855



63.6587, 0.2788, 0.2719



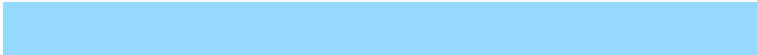
63.6587, 0.3814, 0.3680



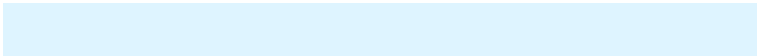
63.6587, 0.3449, 0.3921

Sweetspot

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



63.6611, 0.2482, 0.2855



87.1439, 0.2925, 0.3173



81.2671, 0.2891, 0.4151



18.2166, 0.2890, 0.3151



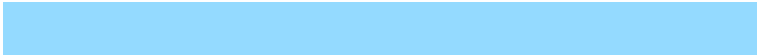
0.0000, 0.0000, 0.0000



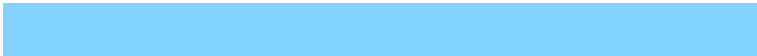
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6611, 0.2482, 0.2855



58.2990, 0.2369, 0.2754



40.7543, 0.2375, 0.2205



19.3610, 0.2980, 0.3206



18.4572, 0.1920, 0.2113



2.0013, 0.1962, 0.2263

Inverse Universe

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



47.5219, 0.3503, 0.2581



41.2653, 0.3605, 0.2453



84.0679, 0.3823, 0.4178



18.1873, 0.3191, 0.3136



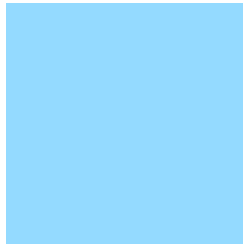
12.5912, 0.4327, 0.2157



1.2466, 0.4166, 0.2068

Previews

White Background



This preview shows how the Yxy color 63.6587, 0.2482, 0.2855 looks on a white background.

Color Contrast Check

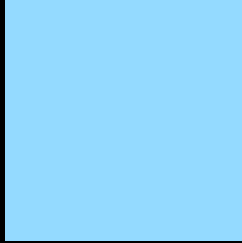
Large Text (above 18pt) WCAG AA × Fail

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 63.6587, 0.2482, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

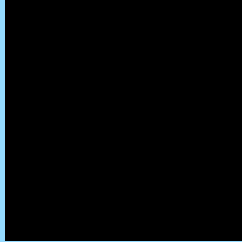
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

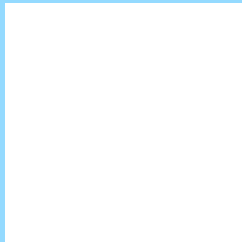
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6587, 0.2482, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 63.6587, 0.2482, 0.2855.



This preview shows how white text looks on a background with the Yxy color 63.6587, 0.2482, 0.2855.

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

63.6587, 0.2482, 0.2855

Protanopia

63.1374, 0.2815, 0.2835

Deuteranopia

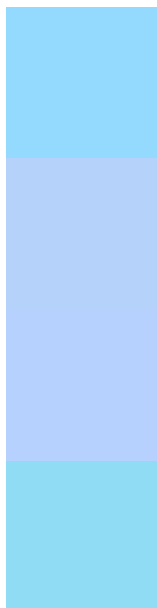
63.1022, 0.2785, 0.2734



Tritanopia

63.8742, 0.2545, 0.3071

Trichromacy



Original Color

63.6587, 0.2482, 0.2855

Protanomaly

62.8191, 0.2678, 0.2835

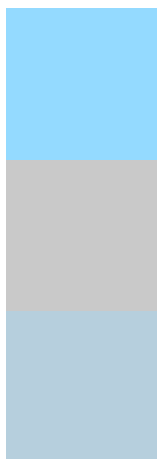
Deuteranomaly

62.8882, 0.2662, 0.2772

Tritanomaly

63.7987, 0.2519, 0.2989

Monochromacy



Original Color

63.6587, 0.2482, 0.2855

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.7912, 0.2854, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6587, 0.2482, 0.2855 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(148, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 218, 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(148, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.6587, 0.2482, 0.2855 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(148, 218, 255) }
```

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

```
.border{ border-color:rgb(148, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6587, 0.2482, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 218, 255) }
```

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

```
.background{ background-color: rgb(148,  
218, 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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