

Converting Colors

$Y_{xy}(63.9796, 0.2506, 0.2854)$

Have a look what the booklet for
Yxy(63.9796, 0.2506, 0.2854)
contains.

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Color

Yxy(64.1351, 0.2507, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	99DAFF
RGB	153, 218, 255
RGB Percent	60%, 85%, 100%
CMY	0.3999, 0.1451, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 40%, 100%
XYZ	56.2585, 64.1351, 104.0120
YIQ	202.7830, -50.6170, -2.2730

Conversions

Conversions Part 2

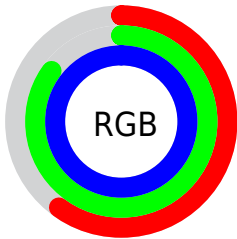
Format	Color
RYB	153, 193, 255
Decimal	10083071
CIELab	84.04, -11.38, -24.50
CIElCh	84, 27.010, 245.083
Yxy	64.1351, 0.2507, 0.2858
Android (android.graphics.Color)	4288273151 (0xFF99DAFF)
YUV	202.7830, 25.7430, -43.6597
Hunter-Lab	80.0844, -14.7533, -20.9456

Details

The Yxy color **64.1351, 0.2507, 0.2858** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.3869, 0.3984, 0.3679**, and the grayscale version is **59.4403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.8130, 0.2365, 0.2750** is the 20% darker color. If you saturate the color by 10%, you get **57.2516, 0.2364, 0.2728**, and if you desaturate by 10%, it is **71.8214, 0.2659, 0.2980**.

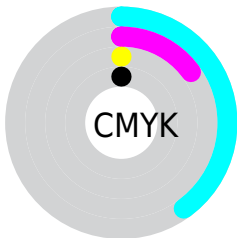
Distribution



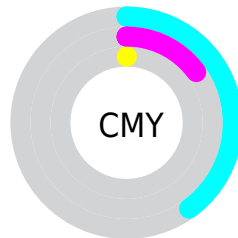
- Red (60%)
- Green (85%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1351, 0.2507, 0.2858 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 64.1351, 0.2507, 0.2858 by changing the saturation by 10% instead.


 64.1351, 0.2507,
0.2858

 64.1351, 0.2507,
0.2858


439.6773, 0.2793,
0.3065

 46.7601, 0.2442,
0.2810


 110.8055, 0.2606,
0.2931

 32.8460, 0.2363,
0.2749


 140.8697, 0.2644,
0.2959

 22.0085, 0.2263,
0.2672


175.9323, 0.2678,
0.2983

 13.8632, 0.2135,
0.2571

216.3779, 0.2707,
0.3003

 8.0256, 0.1964,
0.2432

262.5909, 0.2732,
0.3022

 4.1113, 0.1728,
0.2231

314.9555, 0.2755,

 1.7360, 0.1387,

0.3038

0.1923

373.8562, 0.2775,
0.3052

■ 0.4468, 0.0433,
0.1316

■ 0.0000, 0.0000,
0.0000

■ 64.1351, 0.2507,
0.2858

■ 64.1351, 0.2507,
0.2858

■ 57.2516, 0.2364,
0.2728

■ 71.8214, 0.2659,
0.2980

■ 51.1250, 0.2233,
0.2591

■ 80.3382, 0.2815,
0.3094

■ 45.7154, 0.2119,
0.2450

■ 89.7210, 0.2972,
0.3197

■ 40.9746, 0.2024,
0.2308

99.9980, 0.3127,
0.3290

■ 36.8461, 0.1951,
0.2168

99.9993, 0.3127,
0.3290

■ 33.2403, 0.1898,
0.2031

■ 33.2372, 0.1898,
0.2031

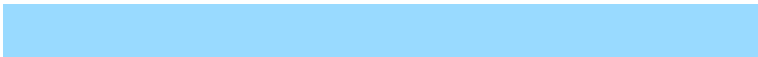
Harmonies

Analogous

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



64.1351, 0.2519, 0.3104



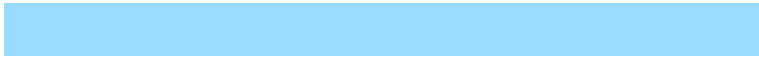
64.1351, 0.2507, 0.2858



64.1351, 0.2649, 0.2741

Triad

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



64.1351, 0.2507, 0.2858



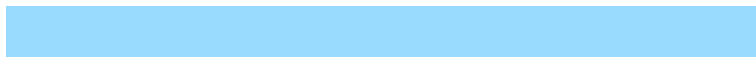
64.1351, 0.3580, 0.3141



64.1351, 0.3309, 0.3886

Complementary

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



64.1351, 0.2507, 0.2858



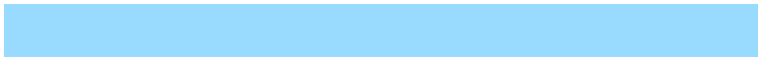
60.3869, 0.3984, 0.3679

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.



64.1351, 0.3610, 0.3862



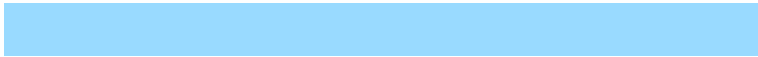
64.1351, 0.2507, 0.2858



64.1351, 0.3776, 0.3419

Square

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



64.1351, 0.2507, 0.2858



64.1351, 0.3260, 0.2906



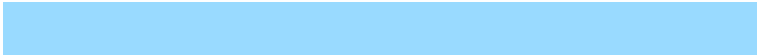
64.1351, 0.3785, 0.3683



64.1351, 0.2971, 0.3725

Rectangle

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



64.1351, 0.2507, 0.2858



64.1351, 0.2818, 0.2740



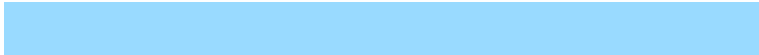
64.1351, 0.3785, 0.3683



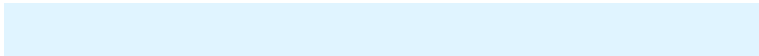
64.1351, 0.3418, 0.3899

Sweetspot

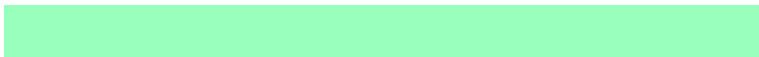
The Sweet Spot groups the original color and five complimentary colors.



64.1376, 0.2507, 0.2858



87.7731, 0.2940, 0.3177



81.9487, 0.2892, 0.4082



18.5189, 0.2920, 0.3164



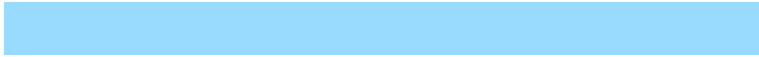
0.0000, 0.0000, 0.0000



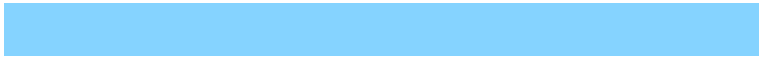
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1376, 0.2507, 0.2858



58.5661, 0.2391, 0.2754



42.1141, 0.2411, 0.2244



19.3083, 0.2980, 0.3202



17.6626, 0.1904, 0.2053



1.9275, 0.1947, 0.2210

Inverse Universe

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



49.1081, 0.3496, 0.2629



42.6091, 0.3599, 0.2503



85.6984, 0.3783, 0.4154



18.1820, 0.3194, 0.3140



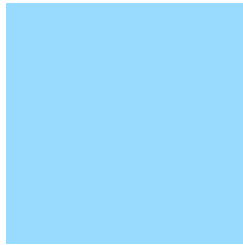
12.5110, 0.4393, 0.2194



1.2391, 0.4222, 0.2099

Previews

White Background



This preview shows how the Yxy color 64.1351, 0.2507, 0.2858 looks on a white background.

Color Contrast Check

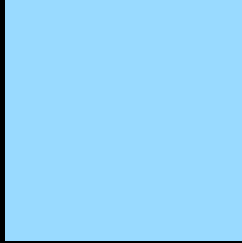
Large Text (above 18pt) WCAG AA × Fail

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 64.1351, 0.2507, 0.2858 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

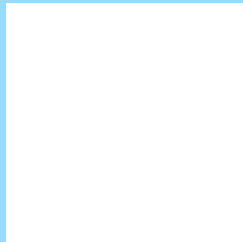
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1351, 0.2507, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 64.1351, 0.2507, 0.2858.



This preview shows how white text looks on a background with the Yxy color 64.1351, 0.2507, 0.2858.

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

64.1351, 0.2507, 0.2858

Protanopia

63.7586, 0.2822, 0.2847

Deuteranopia

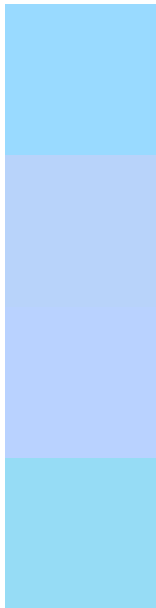
63.7200, 0.2792, 0.2747



Tritanopia

64.3345, 0.2571, 0.3072

Trichromacy



Original Color

64.1351, 0.2507, 0.2858

Protanomaly

63.6810, 0.2698, 0.2849

Deuteranomaly

63.6275, 0.2675, 0.2786

Tritanomaly

64.2630, 0.2544, 0.2991

Monochromacy



Original Color

64.1351, 0.2507, 0.2858

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.7000, 0.2869, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1351, 0.2507, 0.2858 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(153, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1351, 0.2507, 0.2858 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(153, 218, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 218, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 218, 255); box-shadow:4px 4px 4px 4px rgb(153, 218, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1351, 0.2507, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 218, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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