

Converting Colors

Yxy(65.1493, 0.2496, 0.2823)

Have a look what the booklet for
Yxy(65.1493, 0.2496, 0.2823)
contains.

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Color

Yxy(64.8516, 0.2519, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	9BDBFF
RGB	155, 219, 255
RGB Percent	61%, 86%, 100%
CMY	0.3921, 0.1412, 0.0000
CMYK	0.39, 0.14, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 39%, 100%
XYZ	56.9004, 64.8516, 104.1330
YIQ	203.9680, -49.7000, -2.3720

Conversions

Conversions Part 2

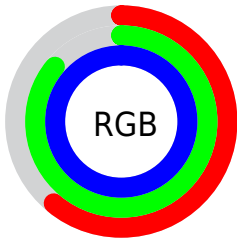
Format	Color
R _Y B	155, 194, 255
Decimal	10214399
CIE Lab	84.41, -11.39, -23.93
CIE LCh	84, 26.504, 244.552
Yxy	64.8516, 0.2519, 0.2871
Android (android.graphics.Color)	4288404479 (0xFF9BDBFF)
YUV	203.9680, 25.1588, -42.9449
Hunter-Lab	80.5305, -14.8056, -20.2958

Details

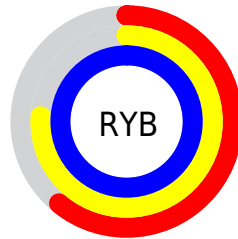
The Yxy color **64.8516, 0.2519, 0.2871** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8903, 0.3964, 0.3669**, and the grayscale version is **60.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **33.2808, 0.2380, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **57.9324, 0.2375, 0.2742**, and if you desaturate by 10%, it is **72.5715, 0.2671, 0.2992**.

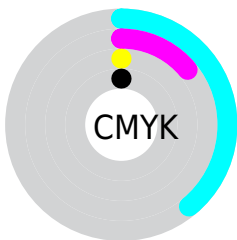
Distribution



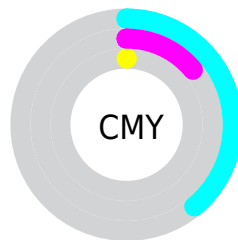
- Red (61%)
- Green (86%)
- Blue (100%)



- Red (61%)
- Yellow (76%)
- Blue (100%)



- Cyan (39%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8516, 0.2519, 0.2871 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 64.8516, 0.2519, 0.2871 by changing the saturation by 10% instead.

64.8516, 0.2519,
0.2871

64.8516, 0.2519,
0.2871

442.2585, 0.2799,
0.3071

47.3408, 0.2456,
0.2824

111.8365, 0.2616,
0.2941

33.3051, 0.2378,
0.2766

142.0793, 0.2653,
0.2968

22.3603, 0.2281,
0.2691

177.3349, 0.2686,
0.2992

14.1219, 0.2155,
0.2593

217.9877, 0.2714,
0.3012

8.2055, 0.1988,
0.2459

264.4220, 0.2739,
0.3029

4.2267, 0.1757,
0.2264

317.0224, 0.2762,

1.8012, 0.1422,

0.3045

0.1965

376.1731, 0.2781,
0.3059

0.4879, 0.0533,
0.1400

0.0000, 0.0000,
0.0000

64.8516, 0.2519,
0.2871

64.8516, 0.2519,
0.2871

57.9324, 0.2375,
0.2742

72.5715, 0.2671,
0.2992

51.7702, 0.2244,
0.2607

81.1212, 0.2827,
0.3103

46.3248, 0.2129,
0.2468

90.5354, 0.2984,
0.3205

41.5487, 0.2033,
0.2327

100.0000, 0.3127,
0.3290

■ 37.3864, 0.1959,
0.2187

■ 33.7560, 0.1904,
0.2051

■ 33.4854, 0.1900,
0.2041

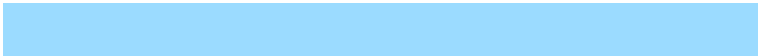
Harmonies

Analogous

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



64.8516, 0.2534, 0.3114



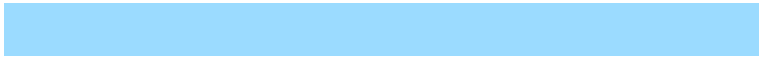
64.8516, 0.2519, 0.2871



64.8516, 0.2655, 0.2754

Triad

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



64.8516, 0.2519, 0.2871



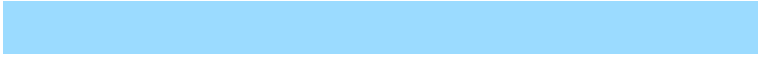
64.8516, 0.3565, 0.3140



64.8516, 0.3311, 0.3874

Complementary

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



64.8516, 0.2519, 0.2871



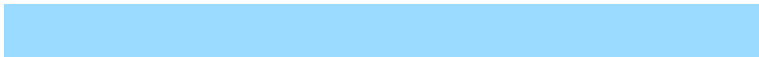
60.8903, 0.3964, 0.3669

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.



64.8516, 0.3604, 0.3847



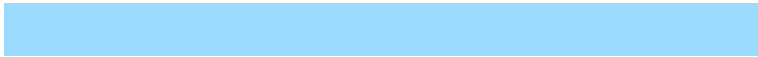
64.8516, 0.2519, 0.2871



64.8516, 0.3759, 0.3412

Square

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



64.8516, 0.2519, 0.2871



64.8516, 0.3252, 0.2911



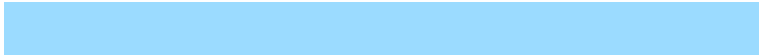
64.8516, 0.3772, 0.3671



64.8516, 0.2980, 0.3719

Rectangle

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



64.8516, 0.2519, 0.2871



64.8516, 0.2820, 0.2751



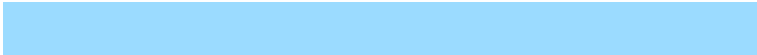
64.8516, 0.3772, 0.3671



64.8516, 0.3418, 0.3885

Sweetspot

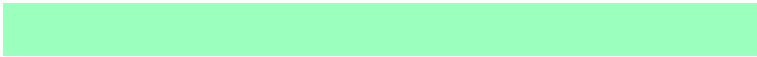
The Sweet Spot groups the original color and five complimentary colors.



64.8535, 0.2519, 0.2871



87.8230, 0.2940, 0.3178



82.2071, 0.2896, 0.4064



18.5307, 0.2920, 0.3165



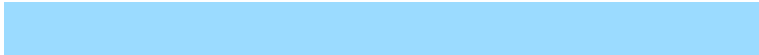
0.0000, 0.0000, 0.0000



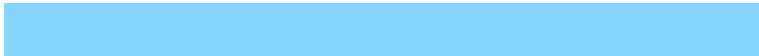
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8535, 0.2519, 0.2871



59.3973, 0.2406, 0.2771



42.9409, 0.2426, 0.2268



19.3169, 0.2980, 0.3202



17.7901, 0.1907, 0.2063



1.9394, 0.1950, 0.2219

Inverse Universe

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



49.8196, 0.3484, 0.2640



43.3759, 0.3583, 0.2515



85.9476, 0.3770, 0.4137



18.1828, 0.3194, 0.3139



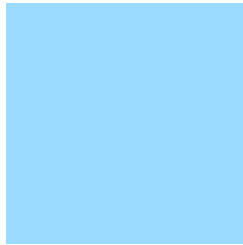
12.5239, 0.4382, 0.2188



1.2403, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 64.8516, 0.2519, 0.2871 looks on a white background.

Color Contrast Check

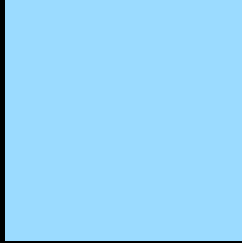
Large Text (above 18pt) WCAG AA × Fail

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 64.8516, 0.2519, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

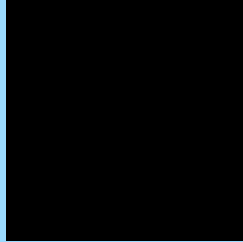
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

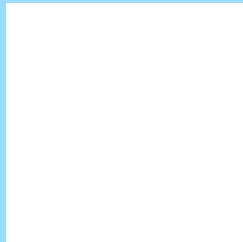
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8516, 0.2519, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 64.8516, 0.2519, 0.2871.

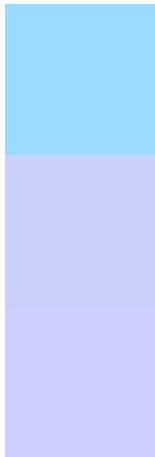


This preview shows how white text looks on a background with the Yxy color 64.8516, 0.2519, 0.2871.

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

64.8516, 0.2519, 0.2871

Protanopia

64.4456, 0.2823, 0.2849

Deuteranopia

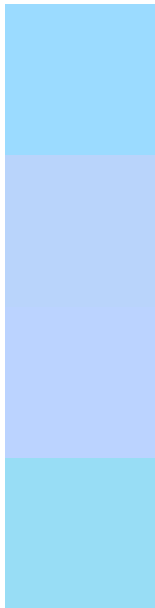
64.4844, 0.2806, 0.2760



Tritanopia

65.0539, 0.2583, 0.3085

Trichromacy



Original Color

64.8516, 0.2519, 0.2871

Protanomaly

64.3663, 0.2700, 0.2850

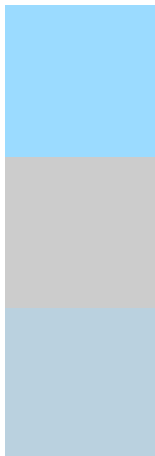
Deuteranomaly

64.3733, 0.2689, 0.2799

Tritanomaly

64.9809, 0.2556, 0.3004

Monochromacy



Original Color

64.8516, 0.2519, 0.2871

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.3677, 0.2870, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8516, 0.2519, 0.2871 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 219, 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(155, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.8516, 0.2519, 0.2871 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, 219, 255) }
```

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

```
.border{ border-color:rgb(155, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8516, 0.2519, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 219, 255) }
```

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

```
.background{ background-color: rgb(155,  
219, 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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