

Converting Colors

$Yxy(63.9638, 0.2557, 0.2836)$

Have a look what the booklet for
Yxy(63.9638, 0.2557, 0.2836)
contains.

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Color

Yxy(64.1183, 0.2556, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	A3D8FF
RGB	163, 216, 255
RGB Percent	64%, 85%, 100%
CMY	0.3609, 0.1529, 0.0000
CMYK	0.36, 0.15, 0.00, 0.00
HSL	205°, 100%, 82%
HSV	205°, 36%, 100%
XYZ	57.7065, 64.1183, 103.9439
YIQ	204.5990, -44.1070, 0.8930

Conversions

Conversions Part 2

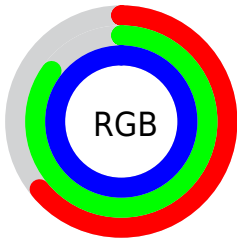
Format	Color
R_{YB}	163, 197, 255
Decimal	10737919
CIE _{Lab}	84.03, -7.77, -24.47
CIE _{LCh}	84, 25.672, 252.381
Yxy	64.1183, 0.2556, 0.2840
Android (android.graphics.Color)	4288927999 (0xFFA3D8FF)
YUV	204.5990, 24.8477, -36.4823
Hunter-Lab	80.0739, -11.4906, -20.9126

Details

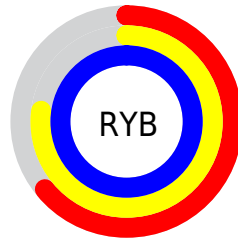
The Yxy color **64.1183, 0.2556, 0.2840** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1302, 0.3856, 0.3697**, and the grayscale version is **60.6415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **32.7551, 0.2425, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **56.3393, 0.2402, 0.2689**, and if you desaturate by 10%, it is **72.8086, 0.2715, 0.2980**.

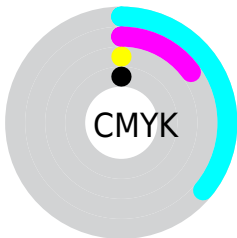
Distribution



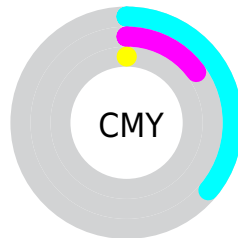
- Red (64%)
- Green (85%)
- Blue (100%)



- Red (64%)
- Yellow (77%)
- Blue (100%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1183, 0.2556, 0.2840 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 64.1183, 0.2556, 0.2840 by changing the saturation by 10% instead.

64.1183, 0.2556,
0.2840

64.1183, 0.2556,
0.2840

439.6167, 0.2820,
0.3053

46.7465, 0.2496,
0.2790

110.7813, 0.2647,
0.2915

32.8353, 0.2422,
0.2729

140.8413, 0.2683,
0.2944

22.0003, 0.2330,
0.2650

175.8994, 0.2714,
0.2968

13.8571, 0.2210,
0.2547

216.3402, 0.2741,
0.2990

8.0214, 0.2049,
0.2407

262.5479, 0.2764,
0.3009

4.1086, 0.1826,
0.2206

314.9069, 0.2785,

1.7345, 0.1499,

0.3025

0.1899

373.8017, 0.2804,
0.3040

0.4458, 0.0674,
0.1283

0.0000, 0.0000,
0.0000

64.1183, 0.2556,
0.2840

64.1183, 0.2556,
0.2840

56.3393, 0.2402,
0.2689

72.8086, 0.2715,
0.2980

49.4250, 0.2258,
0.2530

82.4400, 0.2875,
0.3109

43.3341, 0.2128,
0.2365

93.0494, 0.3033,
0.3225

38.0181, 0.2016,
0.2198

100.0000, 0.3127,
0.3290

■ 33.4212, 0.1926,
0.2032

■ 29.4758, 0.1858,
0.1871

■ 28.0727, 0.1836,
0.1810

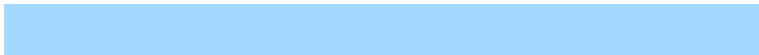
Harmonies

Analogous

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



64.1183, 0.2531, 0.3048



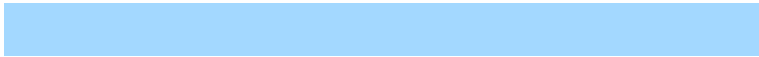
64.1183, 0.2556, 0.2840



64.1183, 0.2725, 0.2760

Triad

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



64.1183, 0.2556, 0.2840



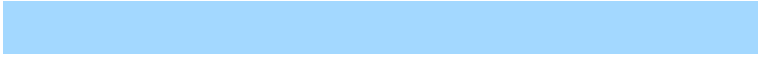
64.1183, 0.3616, 0.3211



64.1183, 0.3223, 0.3834

Complementary

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



64.1183, 0.2556, 0.2840



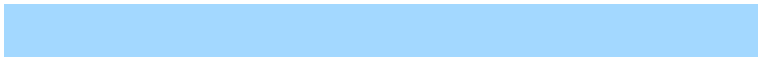
66.1302, 0.3856, 0.3697

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.



64.1183, 0.3525, 0.3855



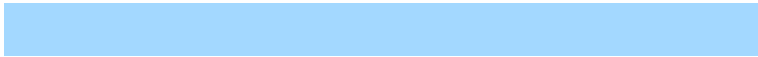
64.1183, 0.2556, 0.2840



64.1183, 0.3763, 0.3479

Square

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



64.1183, 0.2556, 0.2840



64.1183, 0.3334, 0.2972



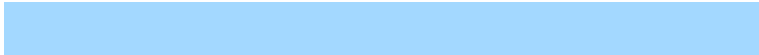
64.1183, 0.3727, 0.3716



64.1183, 0.2905, 0.3642

Rectangle

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



64.1183, 0.2556, 0.2840



64.1183, 0.2903, 0.2780



64.1183, 0.3727, 0.3716



64.1183, 0.3330, 0.3861

Sweetspot

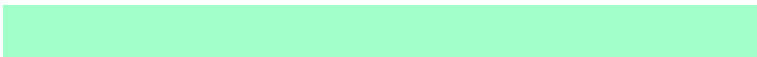
The Sweet Spot groups the original color and five complimentary colors.



64.1206, 0.2556, 0.2840



87.7127, 0.2956, 0.3170



83.5364, 0.2880, 0.3916



18.4680, 0.2934, 0.3154



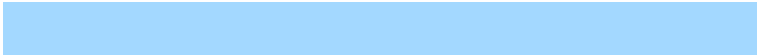
0.0000, 0.0000, 0.0000



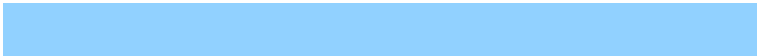
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1206, 0.2556, 0.2840



58.6469, 0.2449, 0.2737



43.9968, 0.2479, 0.2289



19.1163, 0.2979, 0.3187



14.9708, 0.1843, 0.1836



1.6742, 0.1894, 0.2017

Inverse Universe

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



52.4050, 0.3499, 0.2748



46.1986, 0.3599, 0.2645



90.6281, 0.3697, 0.4125



18.1626, 0.3203, 0.3154



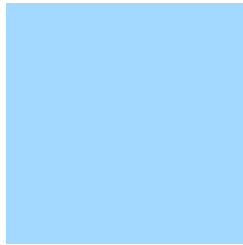
12.2393, 0.4642, 0.2331



1.2136, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 64.1183, 0.2556, 0.2840 looks on a white background.

Color Contrast Check

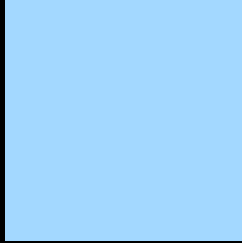
Large Text (above 18pt) WCAG AA × Fail

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 64.1183, 0.2556, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

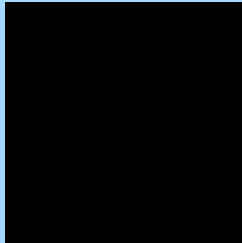
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

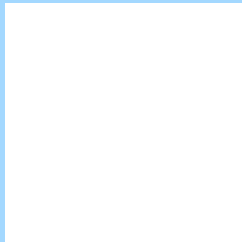
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1183, 0.2556, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 64.1183, 0.2556, 0.2840.



This preview shows how white text looks on a background with the Yxy color 64.1183, 0.2556, 0.2840.

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

64.1183, 0.2556, 0.2840

Protanopia

63.7446, 0.2803, 0.2826

Deuteranopia

63.8618, 0.2799, 0.2748



Tritanopia

64.0466, 0.2626, 0.3074

Trichromacy



Original Color

64.1183, 0.2556, 0.2840

Protanomaly

63.6230, 0.2710, 0.2829

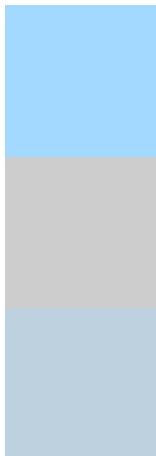
Deuteranomaly

63.7681, 0.2705, 0.2779

Tritanomaly

64.1480, 0.2599, 0.2983

Monochromacy



Original Color

64.1183, 0.2556, 0.2840

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8758, 0.2897, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1183, 0.2556, 0.2840 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(163, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 216, 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(163, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1183, 0.2556, 0.2840 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(163, 216, 255) }
```

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

```
.border{ border-color:rgb(163, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1183, 0.2556, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 216, 255) }
```

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

```
.background{ background-color: rgb(163,  
216, 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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