

Converting Colors

$Y_{xy}(64.6800, 0.2509, 0.2871)$

Have a look what the booklet for
Yxy(64.6800, 0.2509, 0.2871)
contains.

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Color

Yxy(64.6553, 0.2509, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	99DBFF
RGB	153, 219, 255
RGB Percent	60%, 86%, 100%
CMY	0.3998, 0.1412, 0.0000
CMYK	0.40, 0.14, 0.00, 0.00
HSL	201°, 100%, 80%
HSV	201°, 40%, 100%
XYZ	56.5227, 64.6553, 104.1018
YIQ	203.3700, -50.8920, -2.7960

Conversions

Conversions Part 2

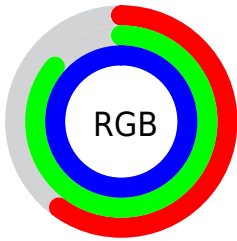
Format	Color
R _Y B	153, 193, 255
Decimal	10083327
CIE Lab	84.31, -11.89, -24.09
CIE LCh	84, 26.861, 243.736
Yxy	64.6553, 0.2509, 0.2870
Android (android.graphics.Color)	4288273407 (0xFF99DBFF)
YUV	203.3700, 25.4536, -44.1745
Hunter-Lab	80.4085, -15.2394, -20.4745

Details

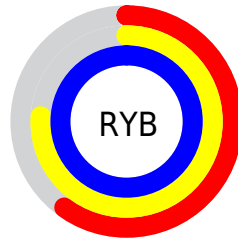
The Yxy color **64.6553, 0.2509, 0.2870** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.9719, 0.3988, 0.3669**, and the grayscale version is **59.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **33.1695, 0.2369, 0.2766** is the 20% darker color. If you saturate the color by 10%, you get **57.8639, 0.2367, 0.2743**, and if you desaturate by 10%, it is **72.2360, 0.2660, 0.2989**.

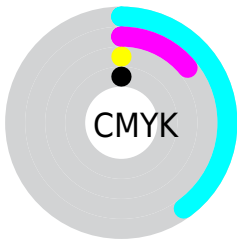
Distribution



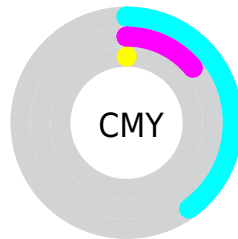
- Red (60%)
- Green (86%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6553, 0.2509, 0.2870 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 64.6553, 0.2509, 0.2870 by changing the saturation by 10% instead.

64.6553, 0.2509,
0.2870

64.6553, 0.2509,
0.2870

441.5522, 0.2794,
0.3071

47.1816, 0.2445,
0.2823

111.5541, 0.2607,
0.2941

33.1793, 0.2366,
0.2764

141.7481, 0.2646,
0.2968

22.2638, 0.2267,
0.2689

176.9509, 0.2679,
0.2991

14.0509, 0.2140,
0.2590

217.5471, 0.2708,
0.3011

8.1561, 0.1970,
0.2455

263.9209, 0.2733,
0.3029

4.1950, 0.1736,
0.2259

316.4567, 0.2756,

1.7832, 0.1397,

0.3045

0.1957

375.5390, 0.2776,
0.3059

0.4767, 0.0472,
0.1382

0.0000, 0.0000,
0.0000

64.6553, 0.2509,
0.2870

64.6553, 0.2509,
0.2870

57.8639, 0.2367,
0.2743

72.2360, 0.2660,
0.2989

51.8162, 0.2238,
0.2610

80.6333, 0.2815,
0.3099

46.4726, 0.2125,
0.2474

89.8824, 0.2972,
0.3200

41.7854, 0.2032,
0.2336

99.9996, 0.3127,
0.3290

■ 37.6984, 0.1960,
0.2199

■ 34.1226, 0.1907,
0.2066

■ 34.1163, 0.1907,
0.2066

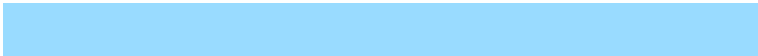
Harmonies

Analogous

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



64.6553, 0.2528, 0.3119



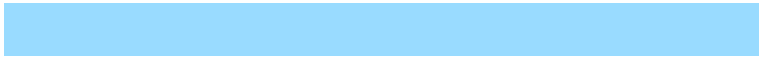
64.6553, 0.2509, 0.2870



64.6553, 0.2643, 0.2748

Triad

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



64.6553, 0.2509, 0.2870



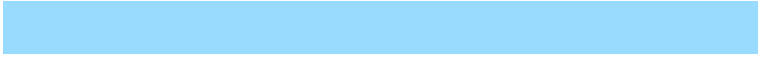
64.6553, 0.3564, 0.3130



64.6553, 0.3323, 0.3884

Complementary

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



64.6553, 0.2509, 0.2870



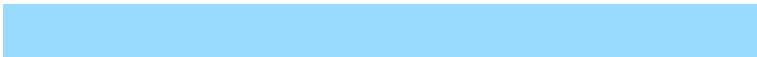
59.9719, 0.3988, 0.3669

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.



64.6553, 0.3617, 0.3852



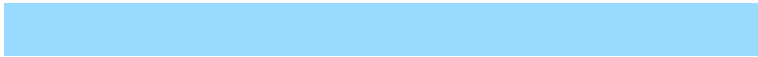
64.6553, 0.2509, 0.2870



64.6553, 0.3765, 0.3406

Square

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



64.6553, 0.2509, 0.2870



64.6553, 0.3244, 0.2901



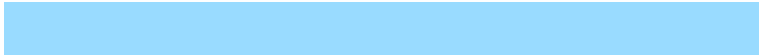
64.6553, 0.3783, 0.3669



64.6553, 0.2987, 0.3732

Rectangle

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



64.6553, 0.2509, 0.2870



64.6553, 0.2807, 0.2743



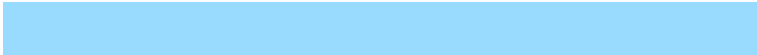
64.6553, 0.3783, 0.3669



64.6553, 0.3430, 0.3894

Sweetspot

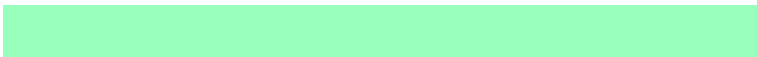
The Sweet Spot groups the original color and five complimentary colors.



64.6578, 0.2509, 0.2870



87.9507, 0.2940, 0.3180



81.9545, 0.2892, 0.4082



18.5608, 0.2920, 0.3167



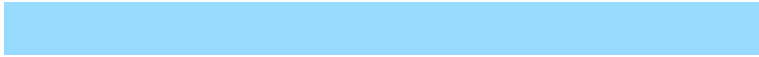
0.0000, 0.0000, 0.0000



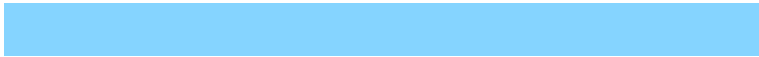
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6578, 0.2509, 0.2870



59.1531, 0.2394, 0.2769



42.1252, 0.2411, 0.2244



19.3388, 0.2980, 0.3204



18.1191, 0.1913, 0.2088



1.9700, 0.1956, 0.2241

Inverse Universe

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



49.1695, 0.3486, 0.2620



42.6683, 0.3587, 0.2492



85.7043, 0.3783, 0.4153



18.1851, 0.3192, 0.3137



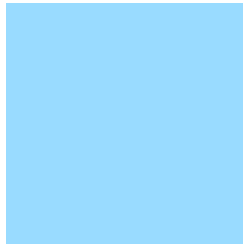
12.5571, 0.4354, 0.2172



1.2434, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 64.6553, 0.2509, 0.2870 looks on a white background.

Color Contrast Check

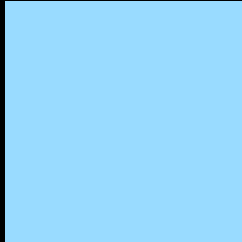
Large Text (above 18pt) WCAG AA × Fail

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 64.6553, 0.2509, 0.2870 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 64.6553, 0.2509, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 64.6553, 0.2509, 0.2870.

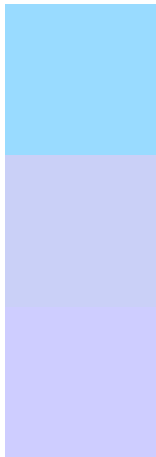


This preview shows how white text looks on a background with the Yxy color 64.6553, 0.2509, 0.2870.

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

64.6553, 0.2509, 0.2870

Protanopia

64.3837, 0.2829, 0.2860

Deuteranopia

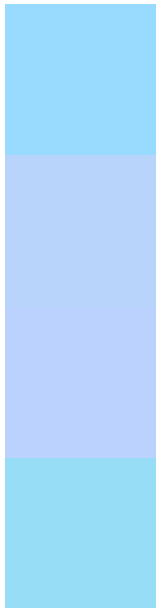
64.0045, 0.2806, 0.2749



Tritanopia

64.8641, 0.2572, 0.3085

Trichromacy



Original Color

64.6553, 0.2509, 0.2870

Protanomaly

64.1794, 0.2699, 0.2860

Deuteranomaly

63.8780, 0.2688, 0.2787

Tritanomaly

64.7895, 0.2546, 0.3004

Monochromacy



Original Color

64.6553, 0.2509, 0.2870

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.1891, 0.2869, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6553, 0.2509, 0.2870 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6553, 0.2509, 0.2870 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, 219, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6553, 0.2509, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 255) }
```

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

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