

Converting Colors

$Yxy(67.4012, 0.2320, 0.2505)$

Have a look what the booklet for
Yxy(67.4012, 0.2320, 0.2505)
contains.

Yxy(64.6094, 0.2481, 0.2879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.6094, 0.2481, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	93DCFF
RGB	147, 220, 255
RGB Percent	58%, 86%, 100%
CMY	0.4234, 0.1373, 0.0001
CMYK	0.42, 0.14, 0.00, 0.00
HSL	199°, 100%, 79%
HSV	199°, 42%, 100%
XYZ	55.6776, 64.6094, 104.1291
YIQ	202.1630, -54.7430, -4.5910

Conversions

Conversions Part 2

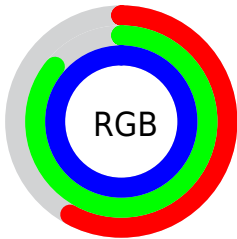
Format	Color
RYB	147, 191, 255
Decimal	9690367
CIELab	84.28, -13.89, -24.15
CIElCh	84, 27.856, 240.091
Yxy	64.6094, 0.2481, 0.2879
Android (android.graphics.Color)	4287880447 (0xFF93DCFF)
YUV	202.1630, 26.0486, -48.3780
Hunter-Lab	80.3800, -17.0215, -20.5419

Details

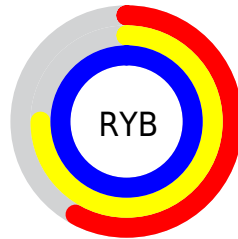
The Yxy color **64.6094, 0.2481, 0.2879** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.8283, 0.4071, 0.3659**, and the grayscale version is **59.0351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **33.1611, 0.2334, 0.2778** is the 20% darker color. If you saturate the color by 10%, you get **58.2784, 0.2345, 0.2762**, and if you desaturate by 10%, it is **71.6822, 0.2627, 0.2989**.

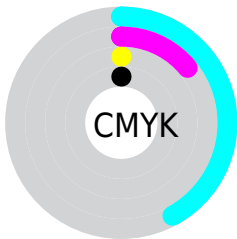
Distribution



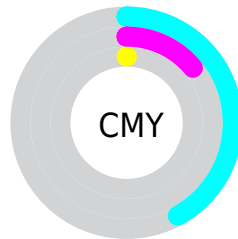
- Red (58%)
- Green (86%)
- Blue (100%)



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



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6094, 0.2481, 0.2879 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 64.6094, 0.2481, 0.2879 by changing the saturation by 10% instead.

 64.6094, 0.2481,
0.2879


 64.6094, 0.2481,
0.2879


441.3870, 0.2778,
0.3077

 47.1444, 0.2414,
0.2832


 111.4881, 0.2583,
0.2949

 33.1498, 0.2332,
0.2774

 141.6706, 0.2623,
0.2976

 22.2413, 0.2229,
0.2700


176.8611, 0.2658,
0.2998

 14.0343, 0.2097,
0.2602

217.4440, 0.2688,
0.3018

 8.1445, 0.1922,
0.2466

263.8036, 0.2715,
0.3036

 4.1876, 0.1680,
0.2270

316.3244, 0.2738,

 1.7790, 0.1334,

0.3051

0.1967

375.3907, 0.2759,
0.3064

0.4740, 0.0328,
0.1395

0.0000, 0.0000,
0.0000

64.6094, 0.2481,
0.2879

64.6094, 0.2481,
0.2879

58.2784, 0.2345,
0.2762

71.6822, 0.2627,
0.2989

52.6438, 0.2224,
0.2640

79.5240, 0.2780,
0.3092

47.6657, 0.2120,
0.2515

88.1695, 0.2935,
0.3186

43.2959, 0.2036,
0.2389

97.6487, 0.3091,
0.3271

■ 39.4763, 0.1973,
0.2265

99.9989, 0.3127,
0.3290

■ 36.8573, 0.1937,
0.2172

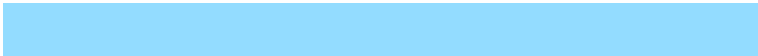
Harmonies

Analogous

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



64.6094, 0.2520, 0.3150



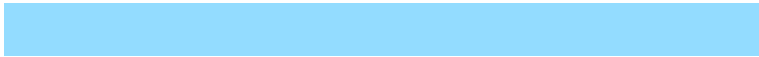
64.6094, 0.2481, 0.2879



64.6094, 0.2601, 0.2736

Triad

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



64.6094, 0.2481, 0.2879



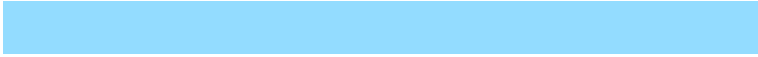
64.6094, 0.3544, 0.3092



64.6094, 0.3371, 0.3913

Complementary

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



64.6094, 0.2481, 0.2879



56.8283, 0.4071, 0.3659

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.



64.6094, 0.3664, 0.3857



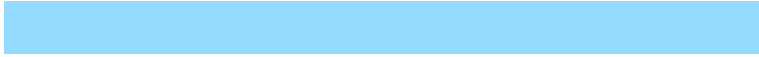
64.6094, 0.2481, 0.2879



64.6094, 0.3773, 0.3374

Square

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



64.6094, 0.2481, 0.2879



64.6094, 0.3204, 0.2864



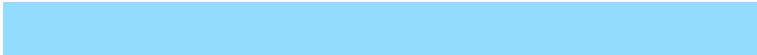
64.6094, 0.3816, 0.3652



64.6094, 0.3022, 0.3778

Rectangle

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



64.6094, 0.2481, 0.2879



64.6094, 0.2761, 0.2720



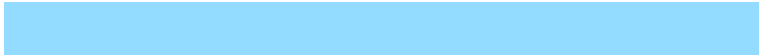
64.6094, 0.3816, 0.3652



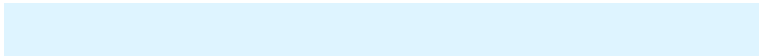
64.6094, 0.3479, 0.3915

Sweetspot

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



64.6119, 0.2481, 0.2879



87.5820, 0.2925, 0.3180



81.0611, 0.2899, 0.4184



18.3251, 0.2891, 0.3160



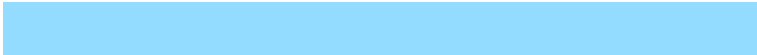
0.0000, 0.0000, 0.0000



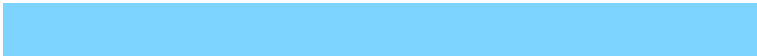
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6119, 0.2481, 0.2879



59.0913, 0.2363, 0.2778



40.9991, 0.2371, 0.2215



19.4307, 0.2980, 0.3211



19.5445, 0.1942, 0.2192



2.1016, 0.1981, 0.2332

Inverse Universe

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



47.3028, 0.3485, 0.2552



40.7113, 0.3588, 0.2412



82.8919, 0.3837, 0.4171



18.1943, 0.3188, 0.3131



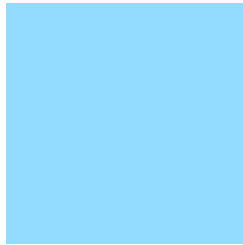
12.7010, 0.4241, 0.2110



1.2567, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 64.6094, 0.2481, 0.2879 looks on a white background.

Color Contrast Check

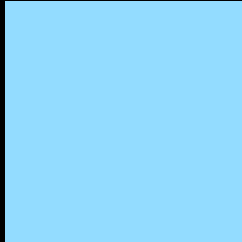
Large Text (above 18pt) WCAG AA × Fail

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 64.6094, 0.2481, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

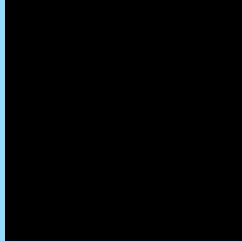
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6094, 0.2481, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 64.6094, 0.2481, 0.2879.

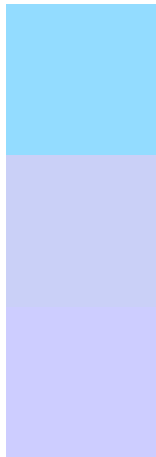


This preview shows how white text looks on a background with the Yxy color 64.6094, 0.2481, 0.2879.

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

64.6094, 0.2481, 0.2879

Protanopia

64.3837, 0.2829, 0.2860

Deuteranopia

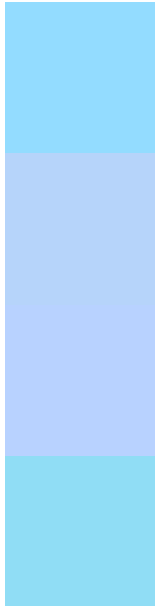
63.8618, 0.2799, 0.2748



Tritanopia

64.3735, 0.2537, 0.3071

Trichromacy



Original Color

64.6094, 0.2481, 0.2879

Protanomaly

63.9342, 0.2687, 0.2859

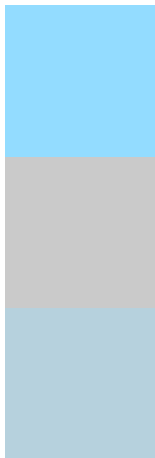
Deuteranomaly

63.5035, 0.2669, 0.2785

Tritanomaly

64.2348, 0.2516, 0.3001

Monochromacy



Original Color

64.6094, 0.2481, 0.2879

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.7665, 0.2855, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6094, 0.2481, 0.2879 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(147, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 220, 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(147, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6094, 0.2481, 0.2879 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(147, 220, 255) }
```

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

```
.border{ border-color:rgb(147, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6094, 0.2481, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 220, 255) }
```

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

```
.background{ background-color: rgb(147,  
220, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor