

Converting Colors

$Yxy(67.0986, 0.2523, 0.2923)$

Have a look what the booklet for
Yxy(67.0986, 0.2523, 0.2923)
contains.

Yxy(66.8654, 0.2521, 0.2919)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8654, 0.2521, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	9ADFFF
RGB	154, 223, 255
RGB Percent	60%, 87%, 100%
CMY	0.3964, 0.1254, 0.0001
CMYK	0.40, 0.13, 0.00, 0.00
HSL	199°, 100%, 80%
HSV	199°, 40%, 100%
XYZ	57.7484, 66.8654, 104.4557
YIQ	206.0170, -51.3960, -4.6760

Conversions

Conversions Part 2

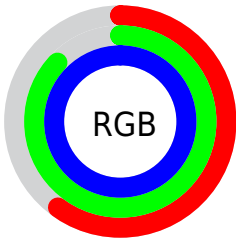
Format	Color
RYB	154, 195, 255
Decimal	10149887
CIELab	85.44, -13.74, -22.36
CIELCh	85, 26.246, 238.433
Yxy	66.8654, 0.2521, 0.2919
Android (android.graphics.Color)	4288339967 (0xFF9ADFFF)
YUV	206.0170, 24.1486, -45.6189
Hunter-Lab	81.7713, -17.0396, -18.4980

Details

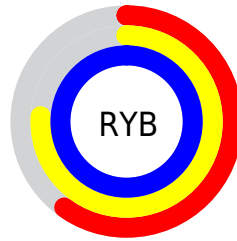
The Yxy color **66.8654, 0.2521, 0.2919** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6500, 0.3995, 0.3627**, and the grayscale version is **61.5894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **34.6792, 0.2387, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **60.4210, 0.2383, 0.2807**, and if you desaturate by 10%, it is **74.0514, 0.2668, 0.3025**.

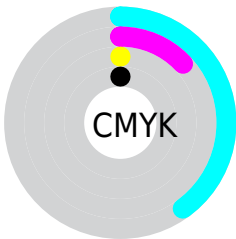
Distribution



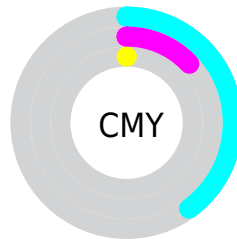
- Red (60%)
- Green (87%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8654, 0.2521, 0.2919 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 66.8654, 0.2521, 0.2919 by changing the saturation by 10% instead.


 66.8654, 0.2521,
0.2919

 66.8654, 0.2521,
0.2919

449.4655, 0.2799,
0.3097

 48.9752, 0.2459,
0.2877


 114.7275, 0.2617,
0.2982

 34.5998, 0.2382,
0.2825


 145.4683, 0.2654,
0.3006

 23.3548, 0.2286,
0.2759


181.2614, 0.2686,
0.3026

 14.8557, 0.2163,
0.2671

222.4912, 0.2715,
0.3044

 8.7182, 0.2000,
0.2550

269.5421, 0.2739,
0.3060

 4.5578, 0.1775,
0.2374

322.7985, 0.2761,

 1.9902, 0.1449,

0.3074

0.2101

382.6449, 0.2781,
0.3086

0.6018, 0.0643,
0.1636

0.0000, 0.0000,
0.0000

66.8654, 0.2521,
0.2919

66.8654, 0.2521,
0.2919

60.4210, 0.2383,
0.2807

74.0514, 0.2668,
0.3025

54.6736, 0.2258,
0.2689

82.0050, 0.2822,
0.3122

49.5851, 0.2151,
0.2568

90.7601, 0.2977,
0.3212

45.1092, 0.2062,
0.2446

99.9990, 0.3127,
0.3290

■ 41.1914, 0.1995,
0.2324

■ 37.7475, 0.1946,
0.2205

■ 37.6289, 0.1945,
0.2201

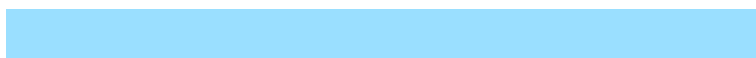
Harmonies

Analogous

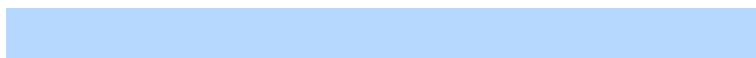
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8654, 0.2567, 0.3178



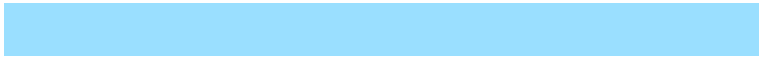
66.8654, 0.2521, 0.2919



66.8654, 0.2626, 0.2776

Triad

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



66.8654, 0.2521, 0.2919



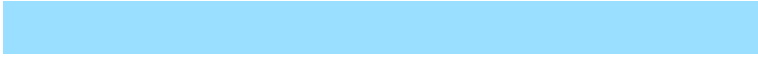
66.8654, 0.3500, 0.3092



66.8654, 0.3373, 0.3871

Complementary

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



66.8654, 0.2521, 0.2919



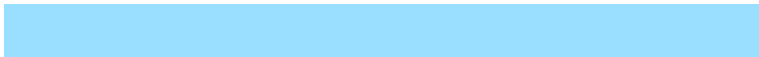
58.6500, 0.3995, 0.3627

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.



66.8654, 0.3640, 0.3811



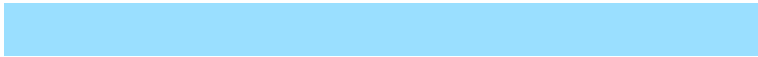
66.8654, 0.2521, 0.2919



66.8654, 0.3721, 0.3355

Square

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



66.8654, 0.2521, 0.2919



66.8654, 0.3181, 0.2882



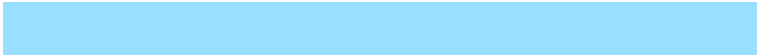
66.8654, 0.3772, 0.3616



66.8654, 0.3048, 0.3754

Rectangle

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



66.8654, 0.2521, 0.2919



66.8654, 0.2771, 0.2756



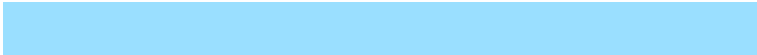
66.8654, 0.3772, 0.3616



66.8654, 0.3473, 0.3870

Sweetspot

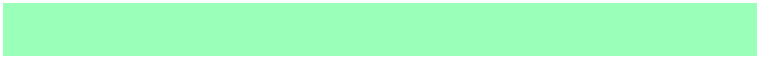
The Sweet Spot groups the original color and five complimentary colors.



66.8680, 0.2521, 0.2919



88.6324, 0.2941, 0.3192



81.8413, 0.2919, 0.4137



18.7216, 0.2920, 0.3180



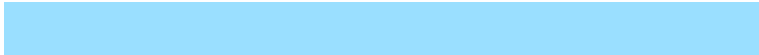
0.0000, 0.0000, 0.0000



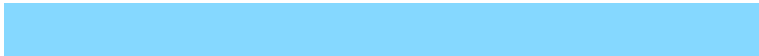
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8680, 0.2521, 0.2919



61.4377, 0.2405, 0.2826



44.4002, 0.2427, 0.2317



19.4557, 0.2980, 0.3213



19.9449, 0.1950, 0.2220



2.1384, 0.1988, 0.2357

Inverse Universe

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



49.6672, 0.3448, 0.2591



42.8989, 0.3541, 0.2450



82.8715, 0.3796, 0.4101



18.1969, 0.3187, 0.3129



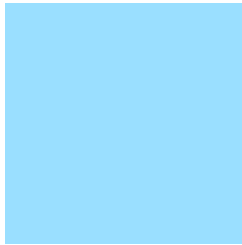
12.7414, 0.4210, 0.2093



1.2604, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 66.8654, 0.2521, 0.2919 looks on a white background.

Color Contrast Check

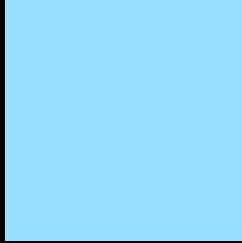
Large Text (above 18pt) WCAG AA × Fail

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 66.8654, 0.2521, 0.2919 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 66.8654, 0.2521, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 66.8654, 0.2521, 0.2919.

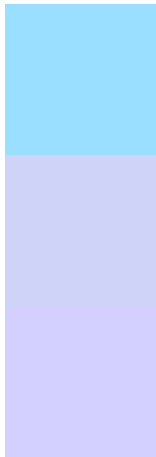


This preview shows how white text looks on a background with the Yxy color 66.8654, 0.2521, 0.2919.

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

66.8654, 0.2521, 0.2919

Protanopia

66.4257, 0.2858, 0.2897

Deuteranopia

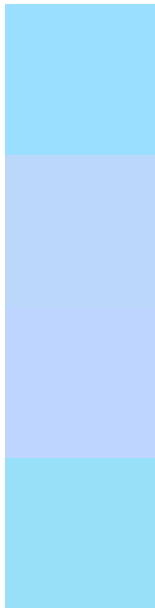
66.1806, 0.2841, 0.2787



Tritanopia

66.9008, 0.2568, 0.3075

Trichromacy



Original Color

66.8654, 0.2521, 0.2919

Protanomaly

66.0678, 0.2721, 0.2897

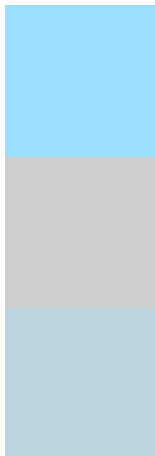
Deuteranomaly

65.7556, 0.2709, 0.2824

Tritanomaly

66.7021, 0.2552, 0.3018

Monochromacy



Original Color

66.8654, 0.2521, 0.2919

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.0336, 0.2872, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8654, 0.2521, 0.2919 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(154, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 223, 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(154, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8654, 0.2521, 0.2919 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(154, 223, 255) }
```

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

```
.border{ border-color:rgb(154, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8654, 0.2521, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 223, 255) }
```

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

```
.background{ background-color: rgb(154,  
223, 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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