

Converting Colors

$Yxy(69.4716, 0.2387, 0.2574)$

Have a look what the booklet for
Yxy(69.4716, 0.2387, 0.2574)
contains.

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Color

Yxy(67.2645, 0.2542, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	9EDFFF
RGB	158, 223, 255
RGB Percent	62%, 87%, 100%
CMY	0.3803, 0.1255, 0.0001
CMYK	0.38, 0.13, 0.00, 0.00
HSL	200°, 100%, 81%
HSV	200°, 38%, 100%
XYZ	58.5369, 67.2645, 104.4776
YIQ	207.2130, -49.0120, -3.8280

Conversions

Conversions Part 2

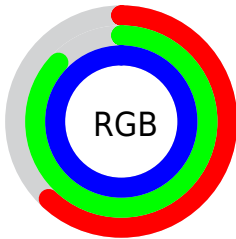
Format	Color
RYB	158, 197, 255
Decimal	10412031
CIELab	85.64, -12.69, -22.03
CIElCh	86, 25.422, 240.057
Yxy	67.2645, 0.2542, 0.2921
Android (android.graphics.Color)	4288602111 (0xFF9EDFFF)
YUV	207.2130, 23.5590, -43.1598
Hunter-Lab	82.0149, -16.1245, -18.1182

Details

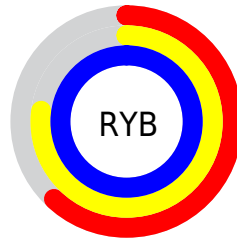
The Yxy color **67.2645, 0.2542, 0.2921** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5453, 0.3942, 0.3627**, and the grayscale version is **62.4139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.9073, 0.2409, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **60.5622, 0.2401, 0.2805**, and if you desaturate by 10%, it is **74.7314, 0.2692, 0.3030**.

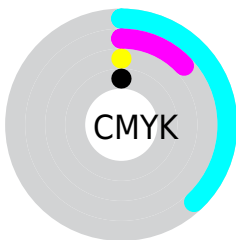
Distribution



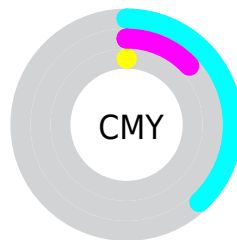
- Red (62%)
- Green (87%)
- Blue (100%)



- Red (62%)
- Yellow (77%)
- Blue (100%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2645, 0.2542, 0.2921 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 67.2645, 0.2542, 0.2921 by changing the saturation by 10% instead.

67.2645, 0.2542,
0.2921

67.2645, 0.2542,
0.2921

450.8857, 0.2810,
0.3097

49.2996, 0.2482,
0.2880

115.2993, 0.2634,
0.2983

34.8572, 0.2408,
0.2828

146.1381, 0.2670,
0.3007

23.5529, 0.2315,
0.2763

182.0369, 0.2702,
0.3027

15.0023, 0.2196,
0.2676

223.3801, 0.2729,
0.3045

8.8210, 0.2038,
0.2557

270.5522, 0.2753,
0.3060

4.6246, 0.1819,
0.2385

323.9376, 0.2774,

2.0287, 0.1502,

0.3074

0.2118

383.9206, 0.2793,
0.3086

0.6241, 0.0756,
0.1664

0.0000, 0.0000,
0.0000

67.2645, 0.2542,
0.2921

67.2645, 0.2542,
0.2921

60.5622, 0.2401,
0.2805

74.7314, 0.2692,
0.3030

54.5802, 0.2272,
0.2682

82.9887, 0.2847,
0.3131

49.2805, 0.2159,
0.2556

92.0705, 0.3003,
0.3223

44.6175, 0.2065,
0.2428

99.9979, 0.3127,
0.3290

■ 40.5380, 0.1993,
0.2301

■ 36.9706, 0.1940,
0.2176

■ 36.3063, 0.1931,
0.2151

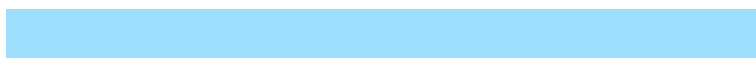
Harmonies

Analogous

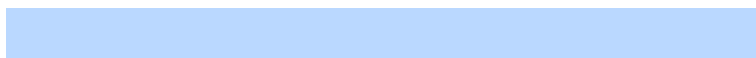
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2645, 0.2578, 0.3166



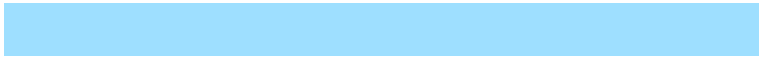
67.2645, 0.2542, 0.2921



67.2645, 0.2651, 0.2789

Triad

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



67.2645, 0.2542, 0.2921



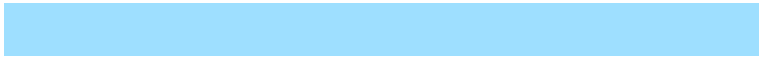
67.2645, 0.3502, 0.3111



67.2645, 0.3349, 0.3849

Complementary

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



67.2645, 0.2542, 0.2921



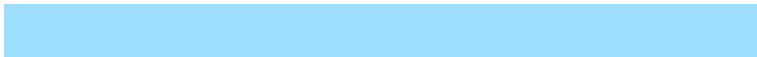
60.5453, 0.3942, 0.3627

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.



67.2645, 0.3612, 0.3801



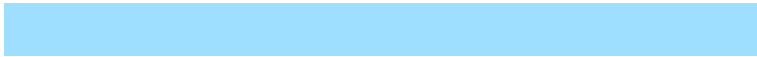
67.2645, 0.2542, 0.2921



67.2645, 0.3708, 0.3368

Square

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



67.2645, 0.2542, 0.2921



67.2645, 0.3197, 0.2904



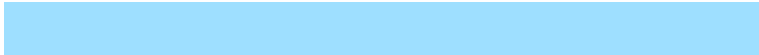
67.2645, 0.3747, 0.3619



67.2645, 0.3034, 0.3727

Rectangle

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



67.2645, 0.2542, 0.2921



67.2645, 0.2797, 0.2773



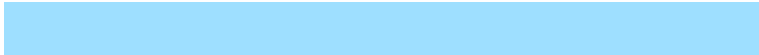
67.2645, 0.3747, 0.3619



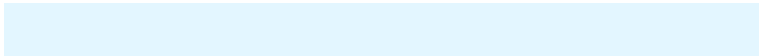
67.2645, 0.3446, 0.3851

Sweetspot

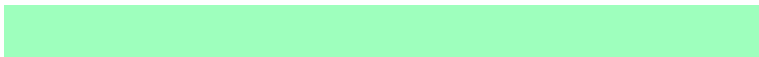
The Sweet Spot groups the original color and five complimentary colors.



67.2671, 0.2542, 0.2921



89.3032, 0.2956, 0.3196



82.4332, 0.2918, 0.4076



18.8477, 0.2935, 0.3184



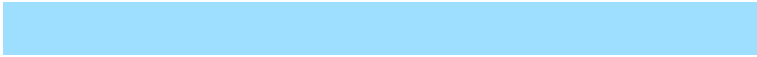
0.0000, 0.0000, 0.0000



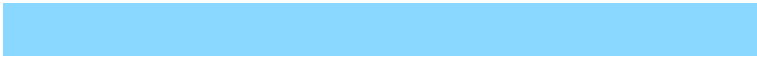
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2671, 0.2542, 0.2921



61.8758, 0.2428, 0.2829



45.4609, 0.2456, 0.2344



19.4128, 0.2980, 0.3210



19.2610, 0.1937, 0.2172



2.0756, 0.1976, 0.2314

Inverse Universe

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



51.0440, 0.3443, 0.2632



44.3256, 0.3534, 0.2497



84.4047, 0.3761, 0.4083



18.1925, 0.3189, 0.3132



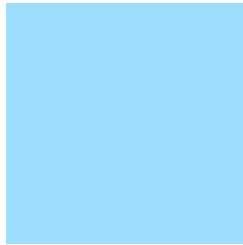
12.6724, 0.4263, 0.2122



1.2541, 0.4111, 0.2039

Previews

White Background



This preview shows how the Yxy color 67.2645, 0.2542, 0.2921 looks on a white background.

Color Contrast Check

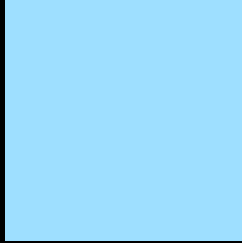
Large Text (above 18pt) WCAG AA × Fail

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 67.2645, 0.2542, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

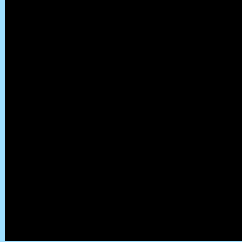
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2645, 0.2542, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 67.2645, 0.2542, 0.2921.



This preview shows how white text looks on a background with the Yxy color 67.2645, 0.2542, 0.2921.

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

67.2645, 0.2542, 0.2921

Protanopia

67.0678, 0.2865, 0.2909

Deuteranopia

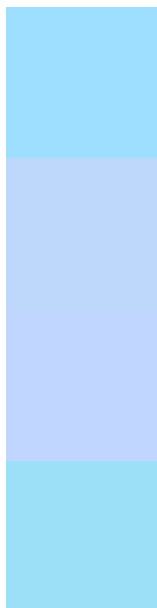
66.8180, 0.2848, 0.2799



Tritanopia

67.2901, 0.2589, 0.3077

Trichromacy



Original Color

67.2645, 0.2542, 0.2921

Protanomaly

66.8327, 0.2734, 0.2910

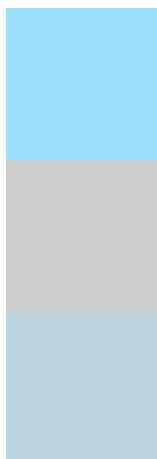
Deuteranomaly

66.5196, 0.2723, 0.2837

Tritanomaly

67.0946, 0.2572, 0.3020

Monochromacy



Original Color

67.2645, 0.2542, 0.2921

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.7891, 0.2886, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2645, 0.2542, 0.2921 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(158, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.2645, 0.2542, 0.2921 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(158, 223, 255) }
```

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

```
.border{ border-color:rgb(158, 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(158, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2645, 0.2542, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 223, 255) }
```

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

```
.background{ background-color: rgb(158,  
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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