

Converting Colors

$Yxy(69.6582, 0.2298, 0.2352)$

Have a look what the booklet for
Yxy(69.6582, 0.2298, 0.2352)
contains.

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Color

Yxy(65.7773, 0.2542, 0.2885)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FDCFF |
| RGB | 159, 220, 255 |
| RGB Percent | 62%, 86%, 100% |
| CMY | 0.3761, 0.1373, 0.0000 |
| CMYK | 0.38, 0.14, 0.00, 0.00 |
| HSL | 202°, 100%, 81% |
| HSV | 202°, 38%, 100% |
| XYZ | 57.9570, 65.7773, 104.2633 |
| YIQ | 205.7510, -47.5910, -2.0470 |

Conversions

Conversions Part 2

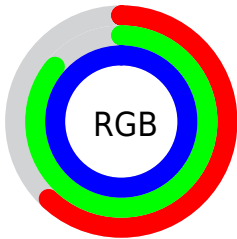
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 159, 196, 255 |
| Decimal | 10476799 |
| CIE Lab | 84.88, -10.85, -23.19 |
| CIE LCh | 85, 25.605, 244.939 |
| Yxy | 65.7773, 0.2542, 0.2885 |
| Android (android.graphics.Color) | 4288666879 (0xFF9FDCFF) |
| YUV | 205.7510, 24.2798, -41.0006 |
| Hunter-Lab | 81.1032, -14.3731, -19.4488 |

Details

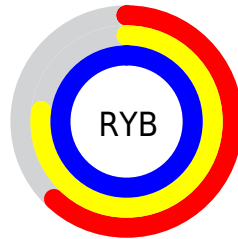
The Yxy color **65.7773, 0.2542, 0.2885** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4003, 0.3917, 0.3658**, and the grayscale version is **61.4312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **33.8710, 0.2406, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **58.6816, 0.2396, 0.2756**, and if you desaturate by 10%, it is **73.6858, 0.2695, 0.3006**.

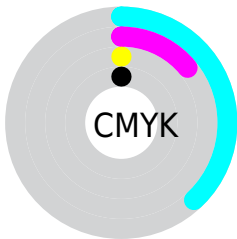
Distribution



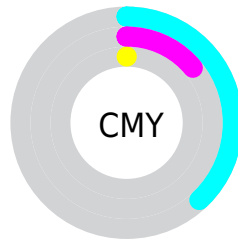
- Red (62%)
- Green (86%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7773, 0.2542, 0.2885 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 65.7773, 0.2542, 0.2885 by changing the saturation by 10% instead.


 65.7773, 0.2542,
0.2885


 65.7773, 0.2542,
0.2885


445.5800, 0.2811,
0.3078

 48.0916, 0.2481,
0.2840


 113.1666, 0.2635,
0.2953

 33.8995, 0.2407,
0.2784


 143.6391, 0.2671,
0.2979

 22.8164, 0.2313,
0.2712

179.1426, 0.2702,
0.3001

 14.4580, 0.2193,
0.2618

220.0616, 0.2730,
0.3021

 8.4399, 0.2032,
0.2489

266.7805, 0.2754,
0.3038

 4.3777, 0.1809,
0.2303

319.6835, 0.2775,

 1.8870, 0.1486,

0.3053

0.2017

379.1553, 0.2794,
0.3066

0.5405, 0.0689,
0.1496

0.0000, 0.0000,
0.0000

65.7773, 0.2542,
0.2885

65.7773, 0.2542,
0.2885

58.6816, 0.2396,
0.2756

73.6858, 0.2695,
0.3006

52.3568, 0.2262,
0.2619

82.4377, 0.2852,
0.3118

46.7629, 0.2143,
0.2478

92.0667, 0.3009,
0.3220

41.8532, 0.2043,
0.2335

100.0000, 0.3127,
0.3290

■ 37.5734, 0.1965,
0.2193

■ 33.8534, 0.1907,
0.2055

■ 33.0235, 0.1895,
0.2022

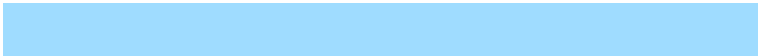
Harmonies

Analogous

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



65.7773, 0.2555, 0.3118



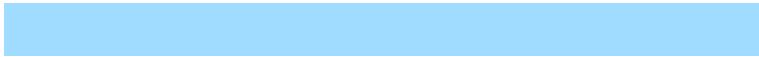
65.7773, 0.2542, 0.2885



65.7773, 0.2676, 0.2773

Triad

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



65.7773, 0.2542, 0.2885



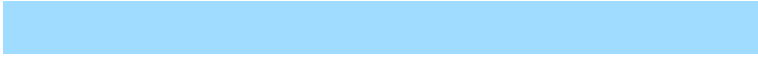
65.7773, 0.3551, 0.3149



65.7773, 0.3301, 0.3849

Complementary

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



65.7773, 0.2542, 0.2885



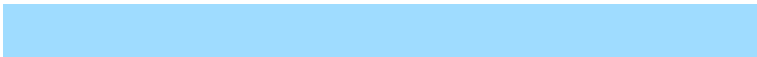
62.4003, 0.3917, 0.3658

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.



65.7773, 0.3583, 0.3828



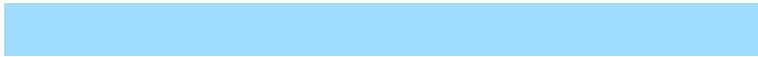
65.7773, 0.2542, 0.2885



65.7773, 0.3736, 0.3412

Square

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



65.7773, 0.2542, 0.2885



65.7773, 0.3252, 0.2927



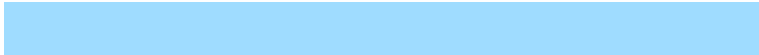
65.7773, 0.3746, 0.3660



65.7773, 0.2982, 0.3698

Rectangle

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



65.7773, 0.2542, 0.2885



65.7773, 0.2835, 0.2771



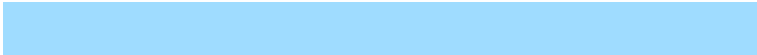
65.7773, 0.3746, 0.3660



65.7773, 0.3403, 0.3861

Sweetspot

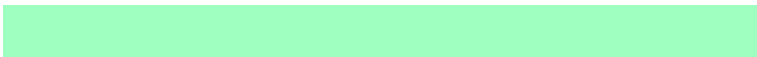
The Sweet Spot groups the original color and five complimentary colors.



65.7787, 0.2542, 0.2885



88.7015, 0.2956, 0.3186



82.7360, 0.2904, 0.4026



18.7039, 0.2935, 0.3173



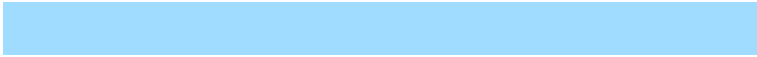
0.0000, 0.0000, 0.0000



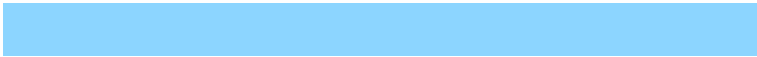
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7787, 0.2542, 0.2885



60.4573, 0.2433, 0.2790



44.6732, 0.2459, 0.2317



19.3007, 0.2980, 0.3201



17.5499, 0.1901, 0.2045



1.9170, 0.1945, 0.2202

Inverse Universe

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



51.2559, 0.3469, 0.2671



44.8986, 0.3562, 0.2552



86.4492, 0.3743, 0.4103



18.1812, 0.3194, 0.3140



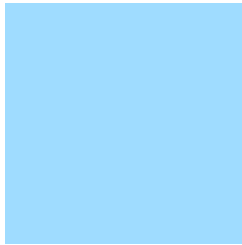
12.4996, 0.4403, 0.2199



1.2381, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 65.7773, 0.2542, 0.2885 looks on a white background.

Color Contrast Check

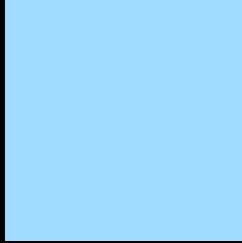
Large Text (above 18pt) WCAG AA × Fail

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 65.7773, 0.2542, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

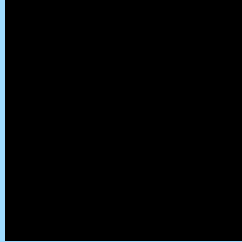
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7773, 0.2542, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 65.7773, 0.2542, 0.2885.

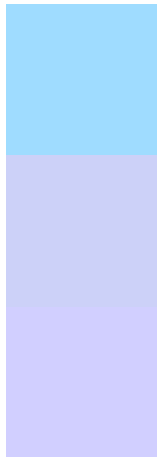


This preview shows how white text looks on a background with the Yxy color 65.7773, 0.2542, 0.2885.

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

65.7773, 0.2542, 0.2885

Protanopia

65.2156, 0.2837, 0.2862

Deuteranopia

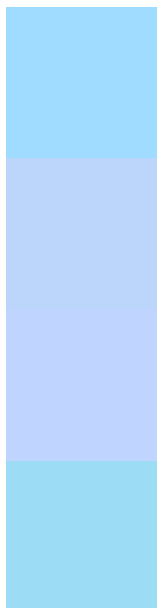
65.4010, 0.2827, 0.2774



Tritanopia

65.5024, 0.2599, 0.3075

Trichromacy



Original Color

65.7773, 0.2542, 0.2885

Protanomaly

65.2449, 0.2719, 0.2864

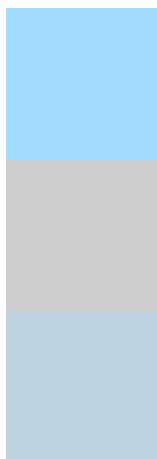
Deuteranomaly

65.3833, 0.2715, 0.2814

Tritanomaly

65.3734, 0.2577, 0.3006

Monochromacy



Original Color

65.7773, 0.2542, 0.2885

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7892, 0.2885, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7773, 0.2542, 0.2885 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(159, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.7773, 0.2542, 0.2885 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(159, 220, 255) }
```

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

```
.border{ border-color:rgb(159, 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(159, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7773, 0.2542, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 220, 255) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

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