

Converting Colors

Yxy(64.3057, 0.2417, 0.2740)

Have a look what the booklet for
Yxy(64.3057, 0.2417, 0.2740)
contains.

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Color

Yxy(63.3825, 0.2467, 0.2853)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 91DAFF |
| RGB | 145, 218, 255 |
| RGB Percent | 57%, 85%, 100% |
| CMY | 0.4312, 0.1451, 0.0000 |
| CMYK | 0.43, 0.15, 0.00, 0.00 |
| HSL | 200°, 100%, 78% |
| HSV | 200°, 43%, 100% |
| XYZ | 54.8071, 63.3825, 103.9713 |
| YIQ | 200.3910, -55.3850, -3.9690 |

Conversions

Conversions Part 2

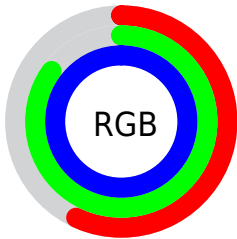
| Format | Color |
|-------------------------------------|--|
| RYB | 145, 189, 255 |
| Decimal | 9558783 |
| CIELab | 83.64, -13.33, -25.15 |
| CIELCh | 84, 28.461, 242.077 |
| Yxy | 63.3825, 0.2467, 0.2853 |
| Android (android.graphics.Color) | 4287748863 (0xFF91DAFF) |
| YUV | 200.3910, 26.9222, -48.5779 |
| Hunter-Lab | 79.6131, -16.4404, -21.7010 |

Details

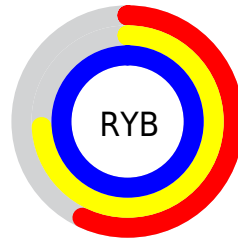
The Yxy color **63.3825, 0.2467, 0.2853** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7851, 0.4088, 0.3680**, and the grayscale version is **57.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **32.3463, 0.2317, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **56.9834, 0.2331, 0.2731**, and if you desaturate by 10%, it is **70.5339, 0.2614, 0.2969**.

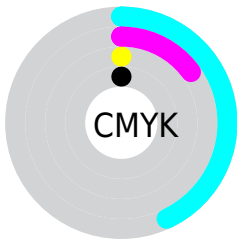
Distribution



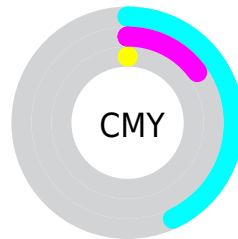
- Red (57%)
- Green (85%)
- Blue (100%)



- Red (57%)
- Yellow (74%)
- Blue (100%)



- Cyan (43%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3825, 0.2467, 0.2853 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 63.3825, 0.2467, 0.2853 by changing the saturation by 10% instead.

63.3825, 0.2467,
0.2853

63.3825, 0.2467,
0.2853

436.9563, 0.2771,
0.3063

46.1507, 0.2398,
0.2804

109.7212, 0.2572,
0.2927

32.3648, 0.2314,
0.2742

139.5968, 0.2613,
0.2956

21.6403, 0.2208,
0.2663

174.4559, 0.2648,
0.2980

13.5928, 0.2073,
0.2558

214.6828, 0.2679,
0.3001

7.8380, 0.1892,
0.2414

260.6619, 0.2707,
0.3020

3.9915, 0.1644,
0.2207

312.7776, 0.2731,

1.6688, 0.1289,

0.3036

0.1887

371.4143, 0.2752,
0.3050

0.4033, 0.0178,
0.1238

0.0000, 0.0000,
0.0000

63.3825, 0.2467,
0.2853

63.3825, 0.2467,
0.2853

56.9834, 0.2331,
0.2731

70.5339, 0.2614,
0.2969

51.2952, 0.2209,
0.2603

78.4700, 0.2767,
0.3076

46.2756, 0.2104,
0.2473

87.2244, 0.2923,
0.3175

41.8753, 0.2020,
0.2342

96.8278, 0.3079,
0.3264

■ 38.0350, 0.1957,
0.2213

100.0000, 0.3127,
0.3290

■ 35.6600, 0.1924,
0.2126

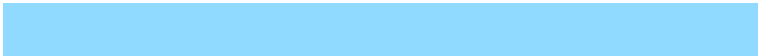
Harmonies

Analogous

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



63.3825, 0.2496, 0.3124



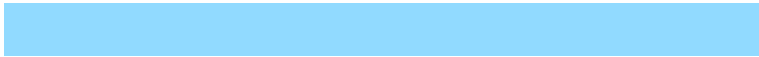
63.3825, 0.2467, 0.2853



63.3825, 0.2600, 0.2716

Triad

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



63.3825, 0.2467, 0.2853



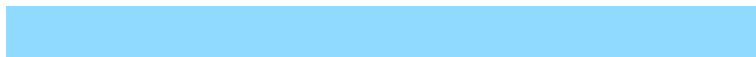
63.3825, 0.3576, 0.3104



63.3825, 0.3354, 0.3929

Complementary

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



63.3825, 0.2467, 0.2853



56.7851, 0.4088, 0.3680

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.



63.3825, 0.3663, 0.3882



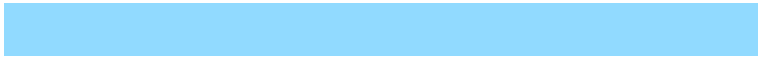
63.3825, 0.2467, 0.2853



63.3825, 0.3801, 0.3395

Square

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



63.3825, 0.2467, 0.2853



63.3825, 0.3231, 0.2865



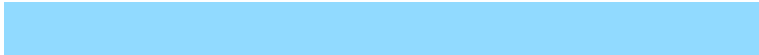
63.3825, 0.3831, 0.3678



63.3825, 0.2995, 0.3777

Rectangle

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



63.3825, 0.2467, 0.2853



63.3825, 0.2770, 0.2707



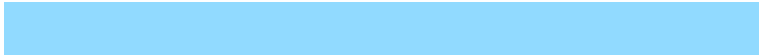
63.3825, 0.3831, 0.3678



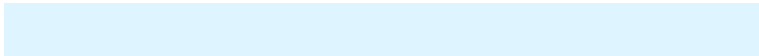
63.3825, 0.3467, 0.3935

Sweetspot

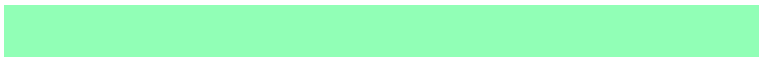
The Sweet Spot groups the original color and five complimentary colors.



63.3835, 0.2467, 0.2853



87.3325, 0.2925, 0.3176



80.9093, 0.2886, 0.4181



18.2633, 0.2890, 0.3155



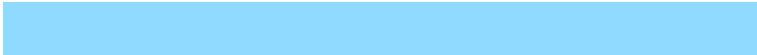
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.3835, 0.2467, 0.2853



57.6627, 0.2345, 0.2745



39.5720, 0.2351, 0.2169



19.3910, 0.2980, 0.3208



18.9201, 0.1930, 0.2147



2.0441, 0.1970, 0.2293

Inverse Universe

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



46.5876, 0.3507, 0.2552



39.9491, 0.3618, 0.2412



83.6862, 0.3843, 0.4202



18.1903, 0.3190, 0.3134



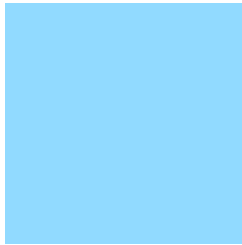
12.6380, 0.4289, 0.2137



1.2509, 0.4134, 0.2051

Previews

White Background



This preview shows how the Yxy color 63.3825, 0.2467, 0.2853 looks on a white background.

Color Contrast Check

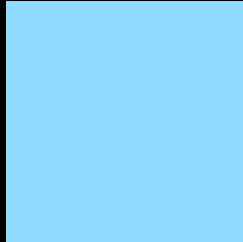
Large Text (above 18pt) WCAG AA × Fail

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 63.3825, 0.2467, 0.2853 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

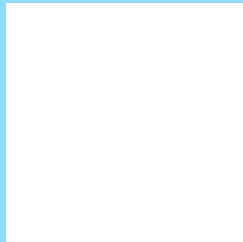
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3825, 0.2467, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 63.3825, 0.2467, 0.2853.



This preview shows how white text looks on a background with the Yxy color 63.3825, 0.2467, 0.2853.

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

63.3825, 0.2467, 0.2853

Protanopia

63.0001, 0.2808, 0.2834

Deuteranopia

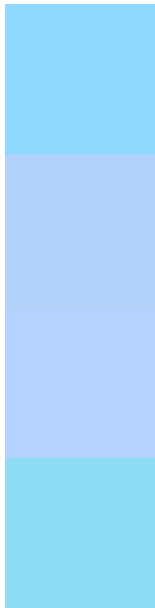
62.9623, 0.2778, 0.2733



Tritanopia

63.5203, 0.2525, 0.3070

Trichromacy



Original Color

63.3825, 0.2467, 0.2853

Protanomaly

62.5790, 0.2666, 0.2833

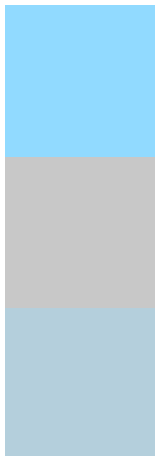
Deuteranomaly

62.6447, 0.2650, 0.2771

Tritanomaly

63.5298, 0.2504, 0.2988

Monochromacy



Original Color

63.3825, 0.2467, 0.2853

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.4963, 0.2846, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3825, 0.2467, 0.2853 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(145, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 218, 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(145, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.3825, 0.2467, 0.2853 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(145, 218, 255) }
```

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

```
.border{ border-color:rgb(145, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3825, 0.2467, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 218, 255) }
```

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

```
.background{ background-color: rgb(145,  
218, 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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