

Converting Colors

$Y_{xy}(63.1791, 0.2480, 0.2873)$

Have a look what the booklet for
Yxy(63.1791, 0.2480, 0.2873)
contains.

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Color

Yxy(63.3456, 0.2481, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	92DAFD
RGB	146, 218, 253
RGB Percent	57%, 85%, 99%
CMY	0.4277, 0.1450, 0.0079
CMYK	0.42, 0.14, 0.00, 0.01
HSL	200°, 96%, 78%
HSV	200°, 42%, 99%
XYZ	54.6455, 63.3456, 102.2648
YIQ	200.4620, -54.1470, -4.3790

Conversions

Conversions Part 2

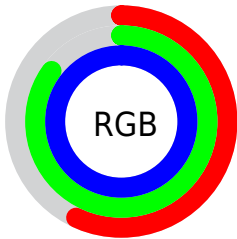
Format	Color
RYB	146, 189, 253
Decimal	9624317
CIELab	83.62, -13.65, -24.10
CIELCh	84, 27.697, 240.464
Yxy	63.3456, 0.2481, 0.2876
Android (android.graphics.Color)	4287814397 (0xFF92DAFD)
YUV	200.4620, 25.9012, -47.7632
Hunter-Lab	79.5899, -16.7265, -20.4685

Details

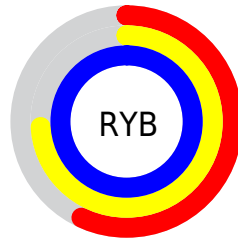
The Yxy color **63.3456, 0.2481, 0.2876** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.9683, 0.4069, 0.3661**, and the grayscale version is **57.9145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **32.3038, 0.2333, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **57.1005, 0.2345, 0.2758**, and if you desaturate by 10%, it is **70.3222, 0.2627, 0.2987**.

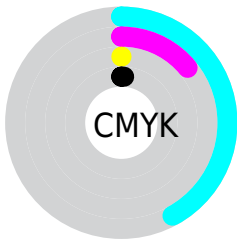
Distribution



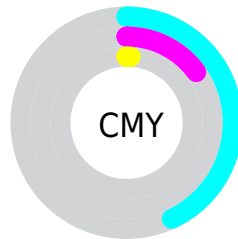
- Red (57%)
- Green (85%)
- Blue (99%)



- Red (57%)
- Yellow (74%)
- Blue (99%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (43%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3456, 0.2481, 0.2876 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 63.3456, 0.2481, 0.2876 by changing the saturation by 10% instead.

63.3456, 0.2481,
0.2876

63.3456, 0.2481,
0.2876

436.8227, 0.2779,
0.3076

46.1209, 0.2414,
0.2829

109.6680, 0.2584,
0.2947

32.3412, 0.2331,
0.2770

139.5344, 0.2624,
0.2974

21.6222, 0.2227,
0.2694

174.3834, 0.2659,
0.2997

13.5796, 0.2093,
0.2594

214.5996, 0.2689,
0.3017

7.8289, 0.1915,
0.2456

260.5671, 0.2716,
0.3034

3.9856, 0.1669,
0.2255

312.6706, 0.2739,

1.6655, 0.1315,

0.3050

0.1942

371.2943, 0.2760,
0.3063

0.4012, 0.0155,
0.1296

0.0000, 0.0000,
0.0000

63.3456, 0.2481,
0.2876

63.3456, 0.2481,
0.2876

57.1005, 0.2345,
0.2758

70.3222, 0.2627,
0.2987

51.5423, 0.2223,
0.2635

78.0572, 0.2780,
0.3091

46.6319, 0.2119,
0.2509

86.5845, 0.2936,
0.3186

42.3219, 0.2034,
0.2382

95.9337, 0.3091,
0.3271

■ 38.5554, 0.1971,
0.2257

99.8711, 0.3139,
0.3309

■ 35.9658, 0.1934,
0.2163

Harmonies

Analogous

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



63.3456, 0.2518, 0.3146



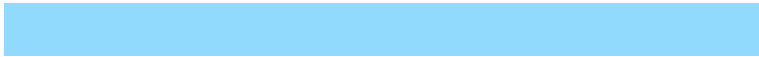
63.3456, 0.2481, 0.2876



63.3456, 0.2603, 0.2734

Triad

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



63.3456, 0.2481, 0.2876



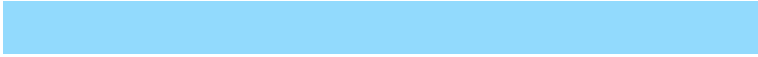
63.3456, 0.3548, 0.3095



63.3456, 0.3367, 0.3914

Complementary

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



63.3456, 0.2481, 0.2876



55.9683, 0.4069, 0.3661

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.



63.3456, 0.3662, 0.3859



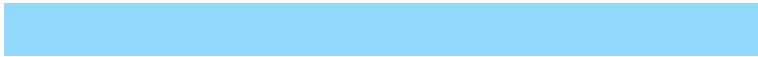
63.3456, 0.2481, 0.2876



63.3456, 0.3776, 0.3377

Square

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



63.3456, 0.2481, 0.2876



63.3456, 0.3209, 0.2866



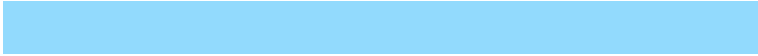
63.3456, 0.3816, 0.3655



63.3456, 0.3018, 0.3776

Rectangle

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



63.3456, 0.2481, 0.2876



63.3456, 0.2764, 0.2720



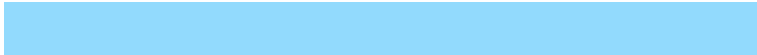
63.3456, 0.3816, 0.3655



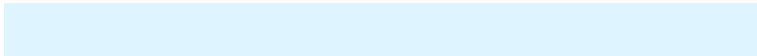
63.3456, 0.3476, 0.3916

Sweetspot

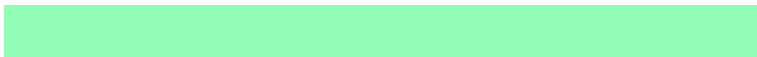
The Sweet Spot groups the original color and five complimentary colors.



63.3480, 0.2481, 0.2876



87.5293, 0.2925, 0.3179



79.6382, 0.2899, 0.4183



18.3121, 0.2891, 0.3159



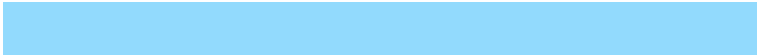
0.0000, 0.0000, 0.0000



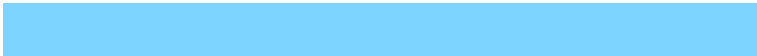
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3480, 0.2481, 0.2876



58.9190, 0.2362, 0.2774



40.3131, 0.2371, 0.2217



19.4223, 0.2980, 0.3210



19.4115, 0.1940, 0.2183



2.0894, 0.1979, 0.2324

Inverse Universe

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



46.4839, 0.3487, 0.2556



40.6939, 0.3591, 0.2415



81.4383, 0.3836, 0.4170



18.1935, 0.3188, 0.3131



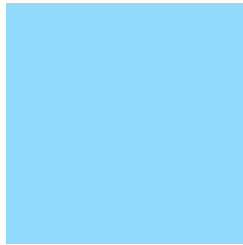
12.6876, 0.4251, 0.2115



1.2555, 0.4102, 0.2033

Previews

White Background



This preview shows how the Yxy color 63.3456, 0.2481, 0.2876 looks on a white background.

Color Contrast Check

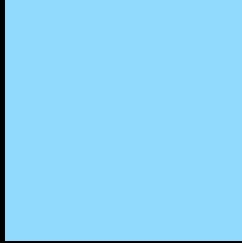
Large Text (above 18pt) WCAG AA × Fail

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 63.3456, 0.2481, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

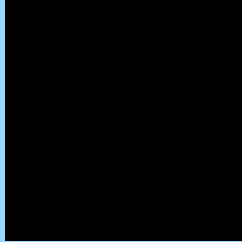
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3456, 0.2481, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 63.3456, 0.2481, 0.2876.



This preview shows how white text looks on a background with the Yxy color 63.3456, 0.2481, 0.2876.

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

63.3456, 0.2481, 0.2876

Protanopia

63.0145, 0.2827, 0.2856

Deuteranopia

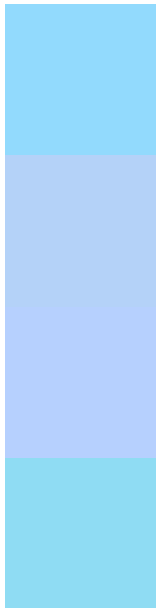
62.6284, 0.2784, 0.2723



Tritanopia

63.6367, 0.2540, 0.3082

Trichromacy



Original Color

63.3456, 0.2481, 0.2876

Protanomaly

62.5738, 0.2683, 0.2855

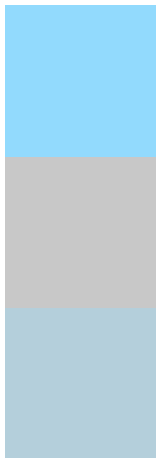
Deuteranomaly

62.2126, 0.2660, 0.2770

Tritanomaly

63.4971, 0.2518, 0.3012

Monochromacy



Original Color

63.3456, 0.2481, 0.2876

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.4434, 0.2853, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3456, 0.2481, 0.2876 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(146, 218, 253)` looks like.

```
.text, #text, p{  
    color:rgb(146, 218, 253)  
}
```

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(146, 218, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 218, 253) }
```

Border

The CSS property to change the border of an element to Yxy 63.3456, 0.2481, 0.2876 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(146, 218, 253) }
```

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

```
.border{ border-color:rgb(146, 218, 253) }
```

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

Here you see how a box with a 4 pixel rgb(146, 218, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 218, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 218, 253);  
box-shadow:4px 4px 4px 4px rgb(146, 218,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3456, 0.2481, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 218, 253) }
```

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

```
.background{ background-color: rgb(146,  
218, 253) }
```

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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