

Converting Colors

Yxy(64.2961, 0.2435, 0.2865)

Have a look what the booklet for
Yxy(64.2961, 0.2435, 0.2865)
contains.

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Color

Yxy(64.4219, 0.2445, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	8BDDFF
RGB	139, 221, 255
RGB Percent	55%, 87%, 100%
CMY	0.4547, 0.1333, 0.0000
CMYK	0.45, 0.13, 0.00, 0.00
HSL	198°, 100%, 77%
HSV	198°, 45%, 100%
XYZ	54.5589, 64.4219, 104.1640
YIQ	200.3580, -59.7860, -6.8100

Conversions

Conversions Part 2

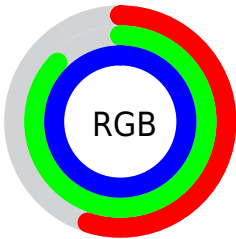
Format	Color
RYB	139, 187, 255
Decimal	9166335
CIELab	84.18, -16.29, -24.34
CIElCh	84, 29.285, 236.198
Yxy	64.4219, 0.2445, 0.2887
Android (android.graphics.Color)	4287356415 (0xFF8BDDFF)
YUV	200.3580, 26.9385, -53.8110
Hunter-Lab	80.2633, -19.1254, -20.7611

Details

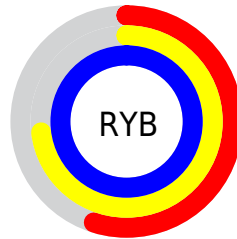
The Yxy color **64.4219, 0.2445, 0.2887** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.0314, 0.4187, 0.3648**, and the grayscale version is **57.8570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **33.0551, 0.2289, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **58.6173, 0.2317, 0.2780**, and if you desaturate by 10%, it is **70.9192, 0.2585, 0.2988**.

Distribution



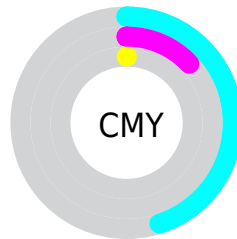
- Red (55%)
- Green (87%)
- Blue (100%)



- Red (55%)
- Yellow (73%)
- Blue (100%)



- Cyan (45%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4219, 0.2445, 0.2887 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 64.4219, 0.2445, 0.2887 by changing the saturation by 10% instead.


 64.4219, 0.2445,
0.2887

 64.4219, 0.2445,
0.2887


440.7116, 0.2758,
0.3082

 46.9925, 0.2375,
0.2841

 111.2183, 0.2553,
0.2956

 33.0297, 0.2288,
0.2783


 141.3541, 0.2595,
0.2983

 22.1492, 0.2181,
0.2709


176.4941, 0.2631,
0.3005

 13.9666, 0.2042,
0.2610

217.0228, 0.2663,
0.3025

 8.0974, 0.1859,
0.2474

263.3245, 0.2691,
0.3042

 4.1573, 0.1609,
0.2276

315.7836, 0.2716,

 1.7620, 0.1253,

0.3057

0.1969

374.7845, 0.2738,
0.3070

■ 0.4633, 0.0128,
0.1395

■ 0.0000, 0.0000,
0.0000

■ 64.4219, 0.2445,
0.2887

■ 64.4219, 0.2445,
0.2887

■ 58.6173, 0.2317,
0.2780

■ 70.9192, 0.2585,
0.2988

■ 53.4597, 0.2206,
0.2670

■ 78.1366, 0.2733,
0.3083

■ 48.9085, 0.2112,
0.2558

■ 86.1088, 0.2887,
0.3170

■ 44.9135, 0.2040,
0.2445

■ 94.8655, 0.3042,
0.3250

■ 41.4136, 0.1987, 99.9999, 0.3127,
0.2334 0.3290

■ 39.9522, 0.1968,
0.2285

Harmonies

Analogous

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



64.4219, 0.2508, 0.3185



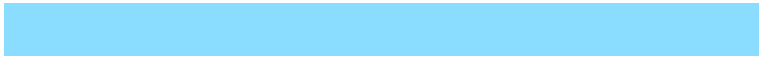
64.4219, 0.2445, 0.2887



64.4219, 0.2550, 0.2719

Triad

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



64.4219, 0.2445, 0.2887



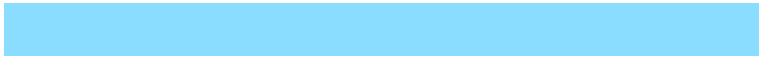
64.4219, 0.3524, 0.3046



64.4219, 0.3428, 0.3951

Complementary

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



64.4219, 0.2445, 0.2887



53.0314, 0.4187, 0.3648

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.



64.4219, 0.3723, 0.3864



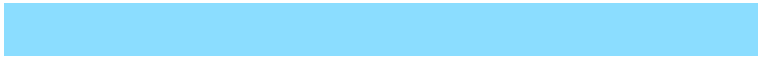
64.4219, 0.2445, 0.2887



64.4219, 0.3786, 0.3337

Square

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



64.4219, 0.2445, 0.2887



64.4219, 0.3158, 0.2819



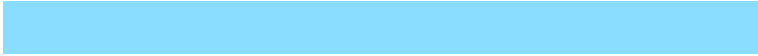
64.4219, 0.3859, 0.3633



64.4219, 0.3063, 0.3835

Rectangle

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



64.4219, 0.2445, 0.2887



64.4219, 0.2705, 0.2690



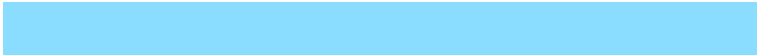
64.4219, 0.3859, 0.3633



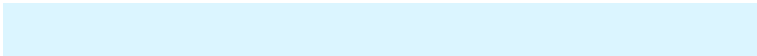
64.4219, 0.3539, 0.3943

Sweetspot

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



64.4244, 0.2445, 0.2887



87.3482, 0.2910, 0.3182



79.9866, 0.2904, 0.4314



18.3086, 0.2876, 0.3164



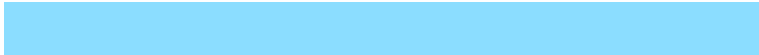
0.0000, 0.0000, 0.0000



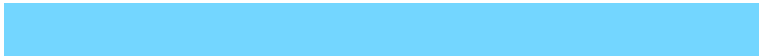
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4244, 0.2445, 0.2887



58.8768, 0.2323, 0.2786



39.3253, 0.2317, 0.2169



19.5288, 0.2980, 0.3219



21.1474, 0.1973, 0.2303



2.2484, 0.2008, 0.2429

Inverse Universe

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



44.9593, 0.3486, 0.2467



38.3131, 0.3591, 0.2314



79.6496, 0.3909, 0.4198



18.2042, 0.3183, 0.3123



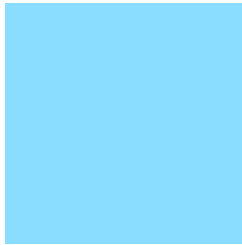
12.8628, 0.4123, 0.2045



1.2715, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 64.4219, 0.2445, 0.2887 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 64.4219, 0.2445, 0.2887 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 64.4219, 0.2445, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 64.4219, 0.2445, 0.2887.

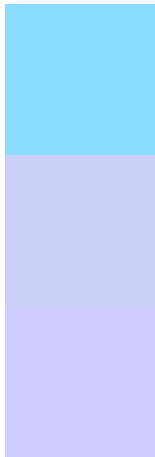


This preview shows how white text looks on a background with the Yxy color 64.4219, 0.2445, 0.2887.

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

64.4219, 0.2445, 0.2887

Protanopia

63.6970, 0.2828, 0.2858

Deuteranopia

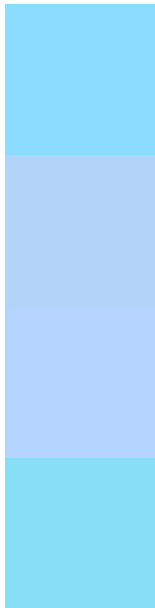
63.8618, 0.2799, 0.2748



Tritanopia

64.2771, 0.2495, 0.3070

Trichromacy



Original Color

64.4219, 0.2445, 0.2887

Protanomaly

63.3915, 0.2668, 0.2867

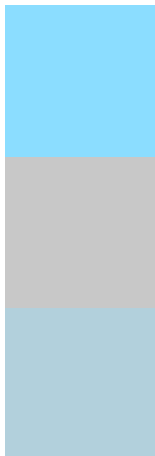
Deuteranomaly

63.6323, 0.2652, 0.2794

Tritanomaly

64.1306, 0.2474, 0.2999

Monochromacy



Original Color

64.4219, 0.2445, 0.2887

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.7440, 0.2834, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4219, 0.2445, 0.2887 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(139, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 221, 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(139, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.4219, 0.2445, 0.2887 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(139, 221, 255) }
```

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

```
.border{ border-color:rgb(139, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4219, 0.2445, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 221, 255) }
```

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

```
.background{ background-color: rgb(139,  
221, 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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