

# Converting Colors

$Yxy(44.3288, 0.2167, 0.2487)$

Have a look what the booklet for  
Yxy(44.3288, 0.2167, 0.2487)  
contains.

<b>Yxy(44.3442, 0.2167, 0.2487)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.3442, 0.2167, 0.2487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57BBF8
RGB	87, 187, 248
RGB Percent	34%, 73%, 97%
CMY	0.6590, 0.2666, 0.0275
CMYK	0.65, 0.25, 0.00, 0.03
HSL	203°, 92%, 66%
HSV	203°, 65%, 97%
XYZ	38.6385, 44.3442, 95.3213
YIQ	164.0540, -79.1810, -2.2290

# Conversions

## Conversions Part 2

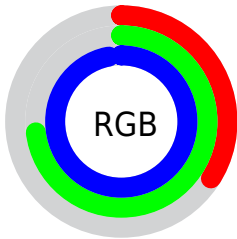
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 149, 248
Decimal	5749752
CIE Lab	72.46, -10.89, -38.81
CIE LCh	72, 40.311, 254.326
Yxy	44.3442, 0.2167, 0.2487
Android (android.graphics.Color)	4283939832 (0xFF57BBF8)
YUV	164.0540, 41.3854, -67.5764
Hunter-Lab	66.5914, -12.9636, -38.2558

# Details

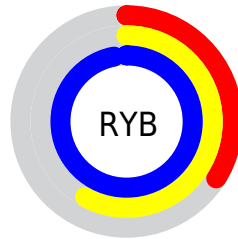
The Yxy color **44.3442, 0.2167, 0.2487** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **41.7988, 0.4758, 0.3900**, and the grayscale version is **36.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9005, 0.2544, 0.3153**, and **20.8118, 0.1968, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **39.4958, 0.2060, 0.2339**, and if you desaturate by 10%, it is **49.8660, 0.2292, 0.2633**.

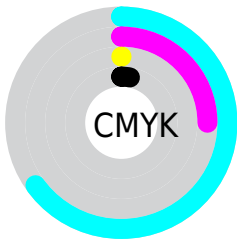
# Distribution



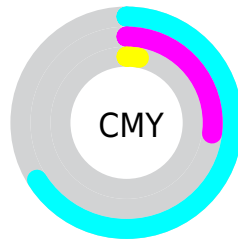
- Red (34%)
- Green (73%)
- Blue (97%)



- Red (34%)
- Yellow (58%)
- Blue (97%)



- Cyan (65%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)




- Cyan (66%)
- Magenta (27%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3442, 0.2167, 0.2487 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 44.3442, 0.2167, 0.2487 by changing the saturation by 10% instead.




 44.3442, 0.2167,  
0.2487


 44.3442, 0.2167,  
0.2487

364.1110, 0.2628,  
0.2885

 30.9412, 0.2060,  
0.2391


 81.7354, 0.2329,  
0.2630


 20.5541, 0.1928,  
0.2271

 106.4924, 0.2391,  
0.2684

 12.7984, 0.1762,  
0.2116


 135.8029, 0.2445,  
0.2730

 7.2899, 0.1548,  
0.1912

 170.0513, 0.2491,  
0.2770

 3.6441, 0.1268,  
0.1636

209.6218, 0.2532,  
0.2804

 1.4765, 0.0902,  
0.1254

254.8991, 0.2568,

 0.2721, 0.0000,

0.2835

0.0537

306.2673, 0.2599,  
0.2862

0.0000, 0.0000,  
0.0000

44.3442, 0.2167,  
0.2487

44.3442, 0.2167,  
0.2487

39.4958, 0.2060,  
0.2339

49.8660, 0.2292,  
0.2633

35.2670, 0.1973,  
0.2191

56.0990, 0.2432,  
0.2773

31.6003, 0.1909,  
0.2046

63.0831, 0.2581,  
0.2905

29.9171, 0.1882,  
0.1975

70.8531, 0.2737,  
0.3028

79.4412, 0.2894,  
0.3141

■ 88.8777, 0.3051,  
0.3243

■ 98.1249, 0.3169,  
0.3336

■ 99.5567, 0.3168,  
0.3357

# Harmonies

## Analogous

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



44.3442, 0.2108, 0.2808



44.3442, 0.2167, 0.2487



44.3442, 0.2454, 0.2390

# Triad

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



44.3442, 0.2167, 0.2487



44.3442, 0.4027, 0.3162



44.3442, 0.3233, 0.4282

# Complementary

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



44.3442, 0.2167, 0.2487



41.7988, 0.4758, 0.3900

# 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.



44.3442, 0.3774, 0.4299



44.3442, 0.2167, 0.2487



44.3442, 0.4266, 0.3606

# Square

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



44.3442, 0.2167, 0.2487



44.3442, 0.3521, 0.2770



44.3442, 0.4161, 0.4023



44.3442, 0.2690, 0.3905



# Rectangle

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



44.3442, 0.2167, 0.2487



44.3442, 0.2758, 0.2439



44.3442, 0.4161, 0.4023



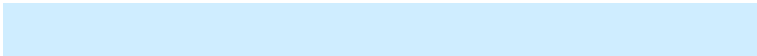
44.3442, 0.3421, 0.4328

# Sweetspot

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



44.3458, 0.2167, 0.2487



80.7890, 0.2830, 0.3096



71.2280, 0.2797, 0.4668



16.7341, 0.2785, 0.3064



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.



44.3458, 0.2167, 0.2487



40.5795, 0.2030, 0.2292



19.6142, 0.1917, 0.1431



18.4397, 0.2980, 0.3198



16.4416, 0.1888, 0.1997



1.7270, 0.1936, 0.2169



# Inverse Universe

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



30.3509, 0.3881, 0.2306



27.3806, 0.4107, 0.2211



75.3170, 0.4156, 0.4619



17.4066, 0.3196, 0.3144



12.0707, 0.4456, 0.2228

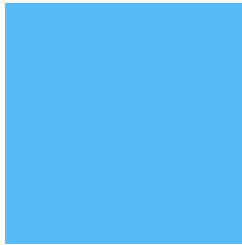


1.1386, 0.4266, 0.2124



# Previews

## White Background



This preview shows how the Yxy color 44.3442, 0.2167, 0.2487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

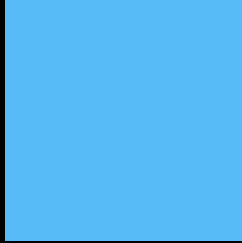
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3442, 0.2167, 0.2487 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

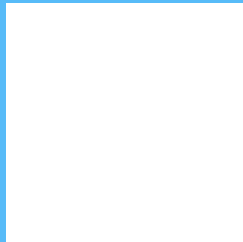
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3442, 0.2167, 0.2487**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3442, 0.2167, 0.2487.

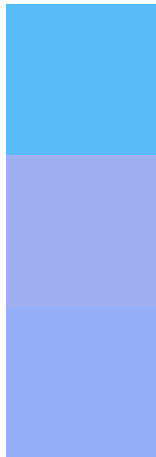


This preview shows how white text looks on a background with the Yxy color 44.3442, 0.2167, 0.2487.

# 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

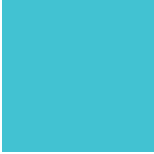
44.3442, 0.2167, 0.2487

### Protanopia

43.7143, 0.2547, 0.2493

### Deuteranopia

44.0145, 0.2420, 0.2360



## Tritanopia

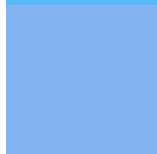
44.3950, 0.2282, 0.3054

# Trichromacy



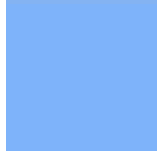
## Original Color

44.3442, 0.2167, 0.2487



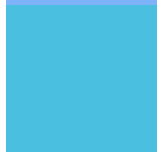
## Protanomaly

43.5565, 0.2375, 0.2483



## Deuteranomaly

43.5779, 0.2304, 0.2392



## Tritanomaly

44.0993, 0.2235, 0.2823

# Monochromacy



## Original Color

44.3442, 0.2167, 0.2487



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

38.6794, 0.2659, 0.2959

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3442, 0.2167, 0.2487 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(87, 187, 248)` looks like.

```
.text, #text, p{  
    color:rgb(87, 187, 248)  
}
```

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(87, 187, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 187, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3442, 0.2167, 0.2487 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(87, 187, 248) }
```

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

```
.border{ border-color:rgb(87, 187, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 187, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 187, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 187, 248);  
box-shadow:4px 4px 4px 4px rgb(87, 187,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3442, 0.2167, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 187, 248) }
```

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

```
.background{ background-color: rgb(87, 187,  
248) }
```

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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