

# Converting Colors

$Y_{xy}(44.4538, 0.2219, 0.2572)$

Have a look what the booklet for  
Yxy(44.4538, 0.2219, 0.2572)  
contains.

<b>Yxy(44.2187, 0.2217, 0.2569)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.2187, 0.2217, 0.2569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DBBF1
RGB	93, 187, 241
RGB Percent	36%, 73%, 95%
CMY	0.6354, 0.2666, 0.0549
CMYK	0.61, 0.22, 0.00, 0.05
HSL	202°, 84%, 65%
HSV	202°, 61%, 95%
XYZ	38.1599, 44.2187, 89.7455
YIQ	165.0500, -73.3580, -3.1340

# Conversions

## Conversions Part 2

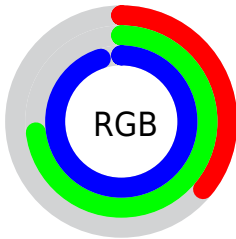
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	93, 150, 241
Decimal	6142961
CIE Lab	72.37, -12.07, -35.15
CIE LCh	72, 37.164, 251.054
Yxy	44.2187, 0.2217, 0.2569
Android (android.graphics.Color)	4284333041 (0xFF5DBBF1)
YUV	165.0500, 37.4434, -63.1878
Hunter-Lab	66.4971, -13.9363, -33.4707

# Details

The Yxy color **44.2187, 0.2217, 0.2569** 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 **40.3519, 0.4654, 0.3857**, and the grayscale version is **37.4939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2897, 0.2562, 0.3153**, and **20.5530, 0.1991, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **39.5380, 0.2105, 0.2428**, and if you desaturate by 10%, it is **49.5271, 0.2346, 0.2707**.

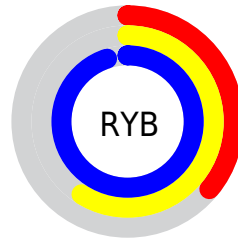
# Distribution



Red (36%)

Green (73%)

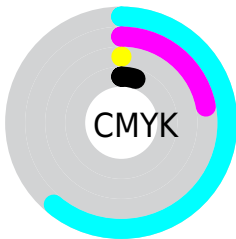
Blue (95%)



Red (36%)

Yellow (59%)

Blue (95%)

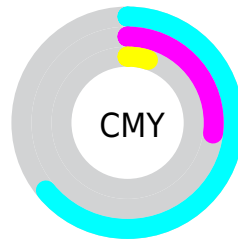


Cyan (61%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (64%)

Magenta (27%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2187, 0.2217, 0.2569 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 44.2187, 0.2217, 0.2569 by changing the saturation by 10% instead.



44.2187, 0.2217,  
0.2569

44.2187, 0.2217,  
0.2569

363.6000, 0.2656,  
0.2930

30.8425, 0.2114,  
0.2481

81.5467, 0.2372,  
0.2699

20.4789, 0.1987,  
0.2369

106.2673, 0.2431,  
0.2748

12.7437, 0.1825,  
0.2225

135.5382, 0.2482,  
0.2790

7.2523, 0.1615,  
0.2032

169.7437, 0.2526,  
0.2826

3.6204, 0.1336,  
0.1765

209.2682, 0.2565,  
0.2857

1.4636, 0.0964,  
0.1385

254.4962, 0.2599,

0.2629, 0.0000,

0.2885

0.0608

305.8120, 0.2629,  
0.2909

0.0000, 0.0000,  
0.0000

44.2187, 0.2217,  
0.2569

44.2187, 0.2217,  
0.2569

39.5380, 0.2105,  
0.2428

49.5271, 0.2346,  
0.2707

35.4374, 0.2013,  
0.2285

55.4959, 0.2487,  
0.2839

31.8679, 0.1942,  
0.2145


62.1608, 0.2638,  
0.2963


29.1624, 0.1897,  
0.2027

69.5529, 0.2793,  
0.3078

77.7010, 0.2950,  
0.3183

 86.6324, 0.3105,  
0.3277

 95.0831, 0.3214,  
0.3363

 99.1311, 0.3209,  
0.3425

# Harmonies

## Analogous

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



44.2187, 0.2187, 0.2893



44.2187, 0.2217, 0.2569



44.2187, 0.2464, 0.2452

# Triad

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



44.2187, 0.2217, 0.2569



44.2187, 0.3916, 0.3131



44.2187, 0.3286, 0.4218

# Complementary

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



44.2187, 0.2217, 0.2569



40.3519, 0.4654, 0.3857

# 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.



44.2187, 0.3778, 0.4207



44.2187, 0.2217, 0.2569



44.2187, 0.4169, 0.3545

# Square

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



44.2187, 0.2217, 0.2569



44.2187, 0.3434, 0.2772



44.2187, 0.4110, 0.3938



44.2187, 0.2776, 0.3905



# Rectangle

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



44.2187, 0.2217, 0.2569



44.2187, 0.2736, 0.2484



44.2187, 0.4110, 0.3938



44.2187, 0.3460, 0.4250

# Sweetspot

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



44.2203, 0.2217, 0.2569



82.0882, 0.2846, 0.3114



67.2771, 0.2815, 0.4612



17.0085, 0.2800, 0.3082



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.



44.2203, 0.2217, 0.2569



43.5755, 0.2077, 0.2388



20.9803, 0.1990, 0.1573



16.9029, 0.2980, 0.3202



16.0791, 0.1903, 0.2050



1.5263, 0.1953, 0.2231



# Inverse Universe

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



30.1146, 0.3796, 0.2325



28.7437, 0.4001, 0.2208



70.0505, 0.4123, 0.4546



15.9279, 0.3194, 0.3141



11.4165, 0.4397, 0.2196

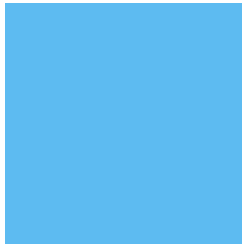


0.9688, 0.4199, 0.2087



# Previews

## White Background



This preview shows how the Yxy color 44.2187, 0.2217, 0.2569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

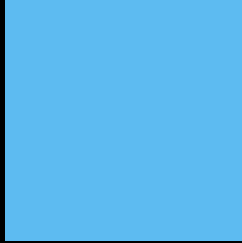
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2187, 0.2217, 0.2569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

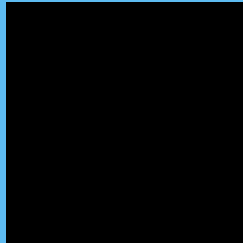
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

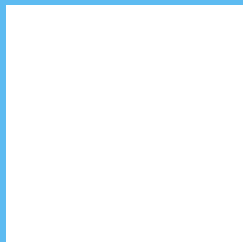
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.2187, 0.2217, 0.2569**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2187, 0.2217, 0.2569.



This preview shows how white text looks on a background with the Yxy color 44.2187, 0.2217, 0.2569.

# 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

44.2187, 0.2217, 0.2569

### Protanopia

43.6187, 0.2610, 0.2572

### Deuteranopia

43.7723, 0.2493, 0.2426



## Tritanopia

44.3137, 0.2327, 0.3069

# Trichromacy



**Original Color**

44.2187, 0.2217, 0.2569

**Protanomaly**

43.4726, 0.2434, 0.2564

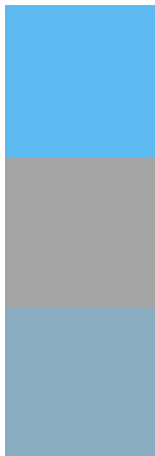
**Deuteranomaly**

43.6168, 0.2370, 0.2472

**Tritanomaly**

44.2679, 0.2283, 0.2878

# Monochromacy



**Original Color**

44.2187, 0.2217, 0.2569

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

39.2264, 0.2696, 0.3003

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2187, 0.2217, 0.2569 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(93, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(93, 187, 241)  
}
```

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(93, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 187, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2187, 0.2217, 0.2569 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(93, 187, 241) }
```

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

```
.border{ border-color:rgb(93, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(93, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(93, 187,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2187, 0.2217, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 187, 241) }
```

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

```
.background{ background-color: rgb(93, 187,  
241) }
```

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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