

# Converting Colors

Yxy(61.4963, 0.2184, 0.2606)

Have a look what the booklet for  
Yxy(61.4963, 0.2184, 0.2606)  
contains.

<b>Yxy(60.2627, 0.2264, 0.2843)</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(60.2627, 0.2264, 0.2843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EDBFF
RGB	94, 219, 255
RGB Percent	37%, 86%, 100%
CMY	0.6318, 0.1411, 0.0000
CMYK	0.63, 0.14, 0.00, 0.00
HSL	193°, 100%, 68%
HSV	193°, 63%, 100%
XYZ	47.9897, 60.2627, 103.7163
YIQ	185.7290, -86.0560, -15.3040

# Conversions

## Conversions Part 2

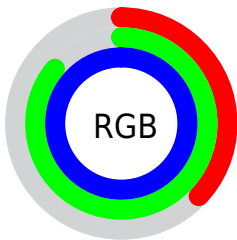
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	94, 164, 255
Decimal	6216703
CIE Lab	81.98, -24.19, -27.85
CIE LCh	82, 36.889, 229.029
Yxy	60.2627, 0.2264, 0.2843
Android (android.graphics.Color)	4284406783 (0xFF5EDBFF)
YUV	185.7290, 34.1506, -80.4463
Hunter-Lab	77.6291, -25.5035, -24.8741

# Details

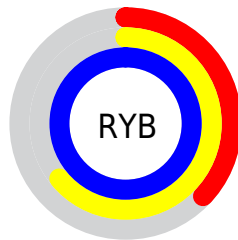
The Yxy color **60.2627, 0.2264, 0.2843** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.9994, 0.4905, 0.3639**, and the grayscale version is **48.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **56.2118, 0.2177, 0.2760**, and if you desaturate by 10%, it is **64.8635, 0.2370, 0.2925**.

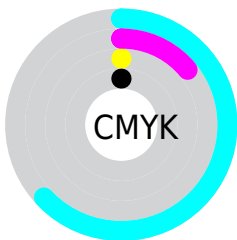
# Distribution



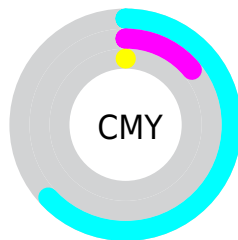
- Red (37%)
- Green (86%)
- Blue (100%)



- Red (37%)
- Yellow (64%)
- Blue (100%)



- Cyan (63%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (63%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2627, 0.2264, 0.2843 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 60.2627, 0.2264, 0.2843 by changing the saturation by 10% instead.





 60.2627, 0.2264,  
0.2843


 60.2627, 0.2264,  
0.2843


425.5654, 0.2660,  
0.3065

 43.6304, 0.2175,  
0.2789


 105.2107, 0.2400,  
0.2923

 30.3801, 0.2067,  
0.2721


 134.2951, 0.2454,  
0.2953

 20.1272, 0.1933,  
0.2633


 168.2991, 0.2500,  
0.2979

 12.4876, 0.1761,  
0.2515

 207.6069, 0.2540,  
0.3001

 7.0766, 0.1538,  
0.2350

252.6031, 0.2576,  
0.3020

 3.5101, 0.1241,  
0.2109

303.6720, 0.2607,

 1.4035, 0.0830,

0.3037

0.1739

361.1980, 0.2635,  
0.3052

0.2193, 0.0000,  
0.0732

0.0000, 0.0000,  
0.0000

60.2627, 0.2264,  
0.2843

60.2627, 0.2264,  
0.2843

56.2118, 0.2177,  
0.2760

64.8635, 0.2370,  
0.2925

52.6590, 0.2110,  
0.2676

70.0498, 0.2492,  
0.3003

49.5493, 0.2062,  
0.2594

75.8594, 0.2627,  
0.3078

47.6270, 0.2038,  
0.2538

82.3252, 0.2772,  
0.3148

■ 89.4776, 0.2923,  
0.3213

■ 97.3448, 0.3078,  
0.3272

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



60.2627, 0.2389, 0.3255



60.2627, 0.2264, 0.2843



60.2627, 0.2345, 0.2595

# Triad

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



60.2627, 0.2264, 0.2843



60.2627, 0.3529, 0.2901



60.2627, 0.3608, 0.4140

# Complementary

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



60.2627, 0.2264, 0.2843



37.9994, 0.4905, 0.3639

# 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.



60.2627, 0.3953, 0.3958



60.2627, 0.2264, 0.2843



60.2627, 0.3917, 0.3249

# Square

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



60.2627, 0.2264, 0.2843



60.2627, 0.3047, 0.2647



60.2627, 0.4074, 0.3626



60.2627, 0.3149, 0.4066



# Rectangle

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



60.2627, 0.2264, 0.2843



60.2627, 0.2509, 0.2534



60.2627, 0.4074, 0.3626



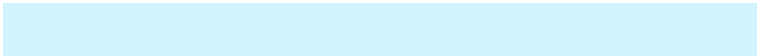
60.2627, 0.3742, 0.4103

# Sweetspot

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



60.2644, 0.2264, 0.2843



85.2291, 0.2834, 0.3176



75.4737, 0.2902, 0.4942



17.8143, 0.2792, 0.3157



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.



60.2644, 0.2264, 0.2843



55.1612, 0.2156, 0.2736



28.2161, 0.2016, 0.1780



19.7526, 0.2980, 0.3236



25.1194, 0.2042, 0.2552



2.6069, 0.2068, 0.2646



# Inverse Universe

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



34.3616, 0.3560, 0.2108



29.3578, 0.3676, 0.1970



67.8406, 0.4291, 0.4401



18.2268, 0.3172, 0.3107



13.2638, 0.3871, 0.1906

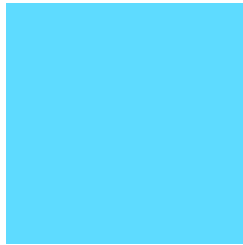


1.3077, 0.3780, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 60.2627, 0.2264, 0.2843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

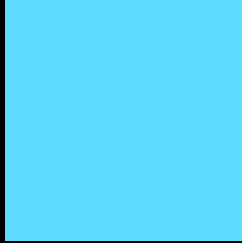
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2627, 0.2264, 0.2843 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 60.2627, 0.2264, 0.2843**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2627, 0.2264, 0.2843.



This preview shows how white text looks on a background with the Yxy color 60.2627, 0.2264, 0.2843.

# 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

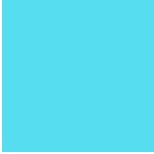
60.2627, 0.2264, 0.2843

### Protanopia

59.6534, 0.2801, 0.2824

### Deuteranopia

59.4043, 0.2714, 0.2667



## **Tritanopia**

60.5123, 0.2308, 0.3058

# Trichromacy



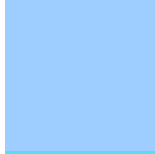
## Original Color

60.2627, 0.2264, 0.2843



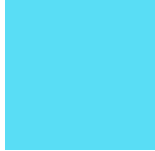
## Protanomaly

59.0963, 0.2556, 0.2826



## Deuteranomaly

58.5307, 0.2506, 0.2715



## Tritanomaly

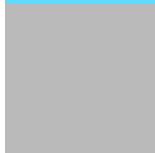
60.4293, 0.2294, 0.2984

# Monochromacy



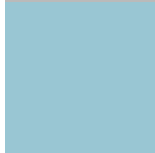
## Original Color

60.2627, 0.2264, 0.2843



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.8636, 0.2713, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2627, 0.2264, 0.2843 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(94, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 219, 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(94, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2627, 0.2264, 0.2843 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(94, 219, 255) }
```

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

```
.border{ border-color:rgb(94, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2627, 0.2264, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 219, 255) }
```

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

```
.background{ background-color: rgb(94, 219,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor