

# Converting Colors

$Y_{xy}(36.0922, 0.2341, 0.2821)$

Have a look what the booklet for  
Yxy(36.0922, 0.2341, 0.2821)  
contains.

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# Color

**Yxy(36.0922, 0.2341, 0.2821)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5CACCB
RGB	92, 172, 203
RGB Percent	36%, 67%, 80%
CMY	0.6390, 0.3255, 0.2039
CMYK	0.55, 0.15, 0.00, 0.20
HSL	197°, 52%, 58%
HSV	197°, 55%, 80%
XYZ	29.9510, 36.0922, 61.8979
YIQ	151.6140, -57.6310, -7.3190

# Conversions

## Conversions Part 2

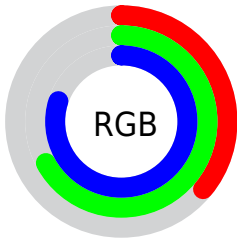
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 138, 203
Decimal	6073547
CIE <sub>Lab</sub>	66.59, -15.75, -23.28
CIE <sub>LCh</sub>	67, 28.107, 235.930
Yxy	36.0922, 0.2341, 0.2821
Android (android.graphics.Color)	4284263627 (0xFF5CACCB)
YUV	151.6140, 25.3333, -52.2815
Hunter-Lab	60.0768, -16.1440, -19.0335

# Details

The Yxy color **36.0922, 0.2341, 0.2821** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **27.6584, 0.4487, 0.3687**, and the grayscale version is **31.1386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6422, 0.2509, 0.2965**, and **15.7971, 0.2117, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **33.0690, 0.2230, 0.2718**, and if you desaturate by 10%, it is **39.4905, 0.2467, 0.2920**.

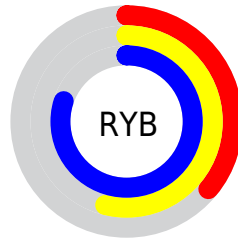
# Distribution



Red (36%)

Green (67%)

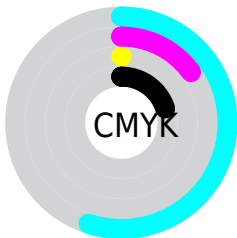
Blue (80%)



Red (36%)

Yellow (54%)

Blue (80%)

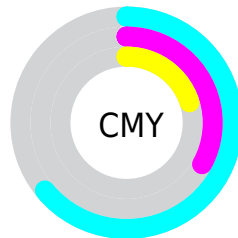


Cyan (55%)

Magenta (15%)

Yellow (0%)

Black (20%)



Cyan (64%)

Magenta (33%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0922, 0.2341, 0.2821 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 36.0922, 0.2341, 0.2821 by changing the saturation by 10% instead.





 36.0922, 0.2341,  
0.2821


 36.0922, 0.2341,  
0.2821

329.3634, 0.2737,  
0.3071


 24.5054, 0.2242,  
0.2754


 69.1743, 0.2485,  
0.2915

 15.7090, 0.2116,  
0.2667


 91.4385, 0.2539,  
0.2950

 9.3184, 0.1950,  
0.2546


 118.0306, 0.2585,  
0.2978

 4.9495, 0.1724,  
0.2373

 149.3349, 0.2624,  
0.3002

 2.2176, 0.1402,  
0.2107

185.7360, 0.2658,  
0.3023

 0.7296, 0.0716,  
0.1689

227.6182, 0.2688,

 0.0000, 0.0000,

0.3041

0.0000

275.3658, 0.2714,  
0.3057

■ 36.0922, 0.2341,  
0.2821

■ 36.0922, 0.2341,  
0.2821

■ 33.0690, 0.2230,  
0.2718

■ 39.4905, 0.2467,  
0.2920

■ 30.3929, 0.2137,  
0.2613

■ 43.2815, 0.2605,  
0.3014

■ 28.0374, 0.2063,  
0.2508

■ 47.4860, 0.2752,  
0.3103

■ 25.9693, 0.2009,  
0.2403

■ 52.1221, 0.2903,  
0.3184

■ 24.9493, 0.1986,  
0.2348

■ 57.2068, 0.3056,  
0.3258

■ 62.7558, 0.3208,  
0.3325

■ 68.7842, 0.3358,  
0.3385

■ 75.3061, 0.3503,  
0.3438

■ 78.3903, 0.3496,  
0.3494

# Harmonies

## Analogous

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



36.0922, 0.2413, 0.3167



36.0922, 0.2341, 0.2821



36.0922, 0.2458, 0.2631

# Triad

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



36.0922, 0.2341, 0.2821



36.0922, 0.3585, 0.3004



36.0922, 0.3475, 0.4063

# Complementary

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



36.0922, 0.2341, 0.2821



27.6584, 0.4487, 0.3687

# 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.



36.0922, 0.3819, 0.3952



36.0922, 0.2341, 0.2821



36.0922, 0.3895, 0.3335

# Square

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



36.0922, 0.2341, 0.2821



36.0922, 0.3157, 0.2747



36.0922, 0.3979, 0.3677



36.0922, 0.3052, 0.3934



# Rectangle

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



36.0922, 0.2341, 0.2821



36.0922, 0.2634, 0.2599



36.0922, 0.3979, 0.3677



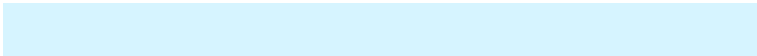
36.0922, 0.3605, 0.4050

# Sweetspot

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



36.0935, 0.2341, 0.2821



86.0028, 0.2879, 0.3172



46.3946, 0.2887, 0.4577



18.0537, 0.2847, 0.3155



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.



36.0935, 0.2341, 0.2821



54.3168, 0.2208, 0.2695



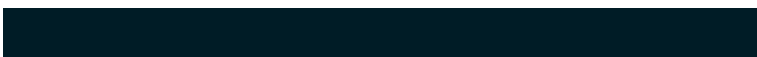
19.5354, 0.2160, 0.1947



12.1761, 0.2983, 0.3224



16.0350, 0.1990, 0.2362



0.9512, 0.2046, 0.2565



# Inverse Universe

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



23.3414, 0.3559, 0.2314



32.5793, 0.3695, 0.2150



44.9669, 0.4074, 0.4329



11.3482, 0.3180, 0.3124



9.4217, 0.4062, 0.2011

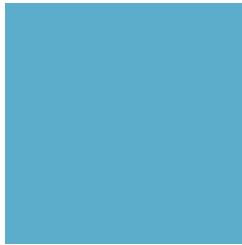


0.4986, 0.3858, 0.1899



# Previews

## White Background



This preview shows how the Yxy color 36.0922, 0.2341, 0.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

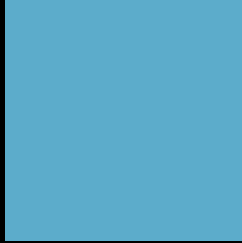
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.0922, 0.2341, 0.2821 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 36.0922, 0.2341, 0.2821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.0922, 0.2341, 0.2821.

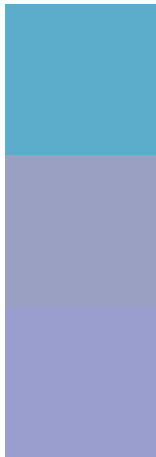


This preview shows how white text looks on a background with the Yxy color 36.0922, 0.2341, 0.2821.

# 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

36.0922, 0.2341, 0.2821

### Protanopia

35.9067, 0.2792, 0.2813

### Deuteranopia

35.6823, 0.2693, 0.2633



## Tritanopia

35.9725, 0.2398, 0.3053

# Trichromacy



**Original Color**

36.0922, 0.2341, 0.2821

**Protanomaly**

35.4074, 0.2595, 0.2809

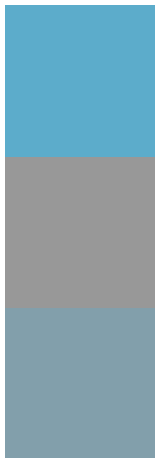
**Deuteranomaly**

35.4275, 0.2541, 0.2689

**Tritanomaly**

35.9060, 0.2377, 0.2964

# Monochromacy



**Original Color**

36.0922, 0.2341, 0.2821

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

32.4824, 0.2765, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0922, 0.2341, 0.2821 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(92, 172, 203)` looks like.

```
.text, #text, p{  
    color:rgb(92, 172, 203)  
}
```

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(92, 172, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 172, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0922, 0.2341, 0.2821 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(92, 172, 203) }
```

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

```
.border{ border-color:rgb(92, 172, 203) }
```

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

Here you see how a box with a 4 pixel rgb(92, 172, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 172, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 172, 203);  
box-shadow:4px 4px 4px 4px rgb(92, 172,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0922, 0.2341, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 172, 203) }
```

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

```
.background{ background-color: rgb(92, 172,  
203) }
```

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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