

# Converting Colors

$Yxy(40.4145, 0.2642, 0.2790)$

Have a look what the booklet for  
Yxy(40.4145, 0.2642, 0.2790)  
contains.

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# Color

**Yxy(40.2195, 0.2639, 0.2785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92ACD1
RGB	146, 172, 209
RGB Percent	57%, 67%, 82%
CMY	0.4276, 0.3254, 0.1803
CMYK	0.30, 0.18, 0.00, 0.18
HSL	215°, 41%, 70%
HSV	215°, 30%, 82%
XYZ	38.1110, 40.2195, 66.0842
YIQ	168.4440, -27.3730, 5.9950

# Conversions

## Conversions Part 2

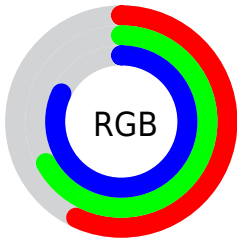
Format	Color
R <sub>YB</sub>	146, 164, 209
Decimal	9612497
CIE Lab	69.63, -0.37, -21.70
CIE LCh	70, 21.706, 269.010
Yxy	40.2195, 0.2639, 0.2785
Android (android.graphics.Color)	4287802577 (0xFF92ACD1)
YUV	168.4440, 19.9941, -19.6834
Hunter-Lab	63.4188, -3.7148, -17.3886

# Details

The Yxy color **40.2195, 0.2639, 0.2785** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.4835, 0.3665, 0.3747**, and the grayscale version is **39.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5757, 0.2790, 0.2989**, and **18.1457, 0.2507, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **34.0222, 0.2468, 0.2583**, and if you desaturate by 10%, it is **47.2012, 0.2808, 0.2970**.

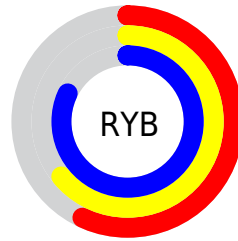
# Distribution



Red (57%)

Green (67%)

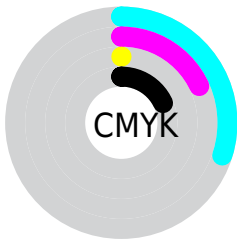
Blue (82%)



Red (57%)

Yellow (64%)

Blue (82%)

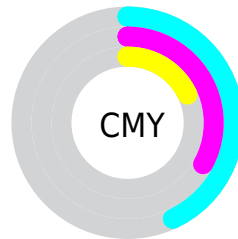


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (33%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2195, 0.2639, 0.2785 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 40.2195, 0.2639, 0.2785 by changing the saturation by 10% instead.





 40.2195, 0.2639,  
0.2785


 40.2195, 0.2639,  
0.2785


347.0479, 0.2885,  
0.3040

 27.7097, 0.2577,  
0.2721


 75.4976, 0.2729,  
0.2878

 18.1070, 0.2498,  
0.2639


 99.0348, 0.2762,  
0.2913

 11.0268, 0.2393,  
0.2529


127.0165, 0.2791,  
0.2942

 6.0849, 0.2247,  
0.2377

159.8273, 0.2815,  
0.2968

 2.8968, 0.2032,  
0.2154

197.8514, 0.2836,  
0.2989

 1.0781, 0.1695,  
0.1801

241.4732, 0.2855,

 0.0000, 0.0000,

0.3009

0.0000

291.0773, 0.2871,  
0.3025

■ 40.2195, 0.2639,  
0.2785

■ 40.2195, 0.2639,  
0.2785

■ 34.0222, 0.2468,  
0.2583

■ 47.2012, 0.2808,  
0.2970

■ 28.5736, 0.2299,  
0.2367

■ 54.9912, 0.2970,  
0.3138

■ 23.8425, 0.2138,  
0.2142

■ 63.6183, 0.3125,  
0.3288

■ 19.7928, 0.1991,  
0.1913

■ 73.1084, 0.3269,  
0.3420

■ 16.3845, 0.1865,  
0.1689

■ 83.4862, 0.3404,  
0.3537

■ 13.5721, 0.1765,  
0.1477

■ 91.5372, 0.3415,  
0.3653

■ 11.3163, 0.1691,  
0.1287

■ 97.3841, 0.3400,  
0.3740

# Harmonies

## Analogous

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



40.2195, 0.2533, 0.2923



40.2195, 0.2639, 0.2785



40.2195, 0.2873, 0.2778

# Triad

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



40.2195, 0.2639, 0.2785



40.2195, 0.3711, 0.3359



40.2195, 0.3044, 0.3740

# Complementary

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



40.2195, 0.2639, 0.2785



49.4835, 0.3665, 0.3747

# 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.



40.2195, 0.3362, 0.3858



40.2195, 0.2639, 0.2785



40.2195, 0.3758, 0.3615

# Square

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



40.2195, 0.2639, 0.2785



40.2195, 0.3498, 0.3100



40.2195, 0.3626, 0.3804



40.2195, 0.2758, 0.3481



# Rectangle

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



40.2195, 0.2639, 0.2785



40.2195, 0.3078, 0.2843



40.2195, 0.3626, 0.3804



40.2195, 0.3151, 0.3798

# Sweetspot

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



40.2211, 0.2639, 0.2785



87.6101, 0.2987, 0.3155



55.1232, 0.2853, 0.3643



18.3455, 0.2964, 0.3131



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

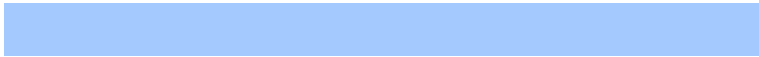


# Same Dimension

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



40.2211, 0.2639, 0.2785



56.8602, 0.2532, 0.2661



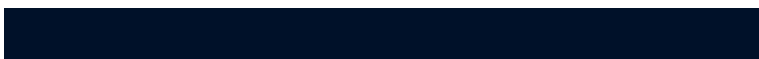
31.7502, 0.2641, 0.2424



12.2085, 0.2982, 0.3150



7.1605, 0.1698, 0.1314



0.5552, 0.1800, 0.1680



# Inverse Universe

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



37.0823, 0.3522, 0.2967



51.7485, 0.3636, 0.2898



60.4851, 0.3536, 0.4049



11.8881, 0.3227, 0.3194



8.7941, 0.5308, 0.2698

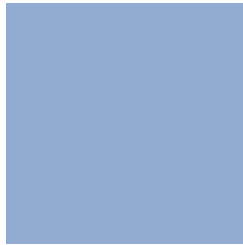


0.5073, 0.4832, 0.2435



# Previews

## White Background



This preview shows how the Yxy color 40.2195, 0.2639, 0.2785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

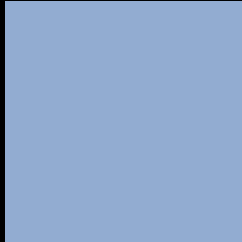
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.2195, 0.2639, 0.2785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

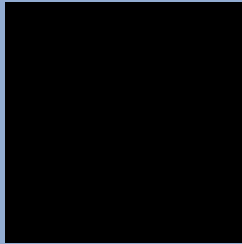
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

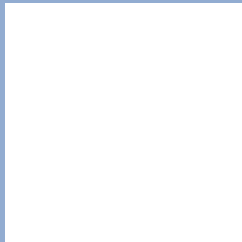
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.2195, 0.2639, 0.2785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.2195, 0.2639, 0.2785.



This preview shows how white text looks on a background with the Yxy color 40.2195, 0.2639, 0.2785.

# 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

40.2195, 0.2639, 0.2785

### Protanopia

40.0386, 0.2769, 0.2782

### Deuteranopia

40.0326, 0.2778, 0.2713



## Tritanopia

40.0849, 0.2749, 0.3089

# Trichromacy



## Original Color

40.2195, 0.2639, 0.2785

## Protanomaly

39.9488, 0.2724, 0.2778

## Deuteranomaly

40.0293, 0.2725, 0.2731

## Tritanomaly

40.0973, 0.2707, 0.2980

# Monochromacy



## Original Color

40.2195, 0.2639, 0.2785

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.2684, 0.2934, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2195, 0.2639, 0.2785 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(146, 172, 209)` looks like.

```
.text, #text, p{  
    color:rgb(146, 172, 209)  
}
```

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(146, 172, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 172, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2195, 0.2639, 0.2785 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(146, 172, 209) }
```

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

```
.border{ border-color:rgb(146, 172, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 172, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 172, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 172, 209);  
box-shadow:4px 4px 4px 4px rgb(146, 172,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2195, 0.2639, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 172, 209) }
```

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

```
.background{ background-color: rgb(146,  
172, 209) }
```

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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