

# Converting Colors

$Y_{xy}(43.8168, 0.1956, 0.1942)$

Have a look what the booklet for  
Yxy(43.8168, 0.1956, 0.1942)  
contains.

<b>Yxy(40.9561, 0.2076, 0.2293)</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(40.9561, 0.2076, 0.2293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BB3FF
RGB	75, 179, 255
RGB Percent	29%, 70%, 100%
CMY	0.7055, 0.2981, 0.0000
CMYK	0.71, 0.30, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 71%, 100%
XYZ	37.0802, 40.9561, 100.5773
YIQ	156.5680, -86.3800, 1.5880

# Conversions

## Conversions Part 2

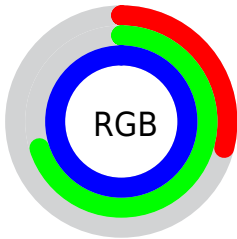
Format	Color
R <sub>Y</sub> B	75, 141, 255
Decimal	4961279
CIE Lab	70.15, -5.97, -46.25
CIE LCh	70, 46.637, 262.646
Yxy	40.9561, 0.2076, 0.2293
Android (android.graphics.Color)	4283151359 (0xFF4BB3FF)
YUV	156.5680, 48.5270, -71.5351
Hunter-Lab	63.9970, -8.5708, -48.3820

# Details

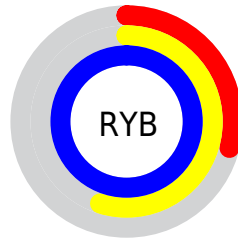
The Yxy color **40.9561, 0.2076, 0.2293** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **43.9410, 0.4878, 0.3999**, and the grayscale version is **33.3324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4763, 0.2493, 0.3057**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **35.9727, 0.1974, 0.2127**, and if you desaturate by 10%, it is **46.6887, 0.2198, 0.2459**.

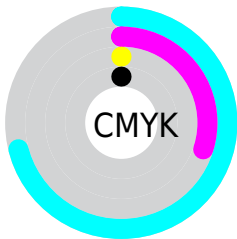
# Distribution



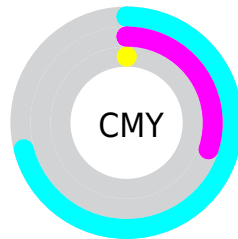
- Red (29%)
- Green (70%)
- Blue (100%)



- Red (29%)
- Yellow (55%)
- Blue (100%)



- Cyan (71%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (30%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9561, 0.2076, 0.2293 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 40.9561, 0.2076, 0.2293 by changing the saturation by 10% instead.





 40.9561, 0.2076,  
0.2293

 40.9561, 0.2076,  
0.2293


350.1371, 0.2583,  
0.2782

 28.2848, 0.1959,  
0.2178


 76.6172, 0.2254,  
0.2466


 18.5404, 0.1815,  
0.2034


 100.3759, 0.2322,  
0.2533

 11.3387, 0.1634,  
0.1853


 128.5990, 0.2381,  
0.2590

 6.2951, 0.1405,  
0.1620

 161.6712, 0.2432,  
0.2639

 3.0254, 0.1112,  
0.1315

199.9767, 0.2477,  
0.2682

 1.1450, 0.0743,  
0.0921

243.8999, 0.2516,

 0.0161, 0.0000,

0.2719

0.0029

293.8252, 0.2551,  
0.2753

■ 0.0000, 0.0000,  
0.0000

■ 40.9561, 0.2076,  
0.2293

■ 40.9561, 0.2076,  
0.2293

■ 35.9727, 0.1974,  
0.2127

■ 46.6887, 0.2198,  
0.2459

■ 31.6785, 0.1894,  
0.1963

■ 53.2222, 0.2337,  
0.2621

■ 28.1663, 0.1837,  
0.1814

■ 60.6018, 0.2487,  
0.2776

■ 68.8689, 0.2644,  
0.2920

■ 78.0615, 0.2804,  
0.3054

■ 88.2148, 0.2963,  
0.3175

99.3622, 0.3119,  
0.3284

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.



40.9561, 0.1934, 0.2581



40.9561, 0.2076, 0.2293



40.9561, 0.2471, 0.2257

# Triad

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



40.9561, 0.2076, 0.2293



40.9561, 0.4316, 0.3267



40.9561, 0.3053, 0.4404

# Complementary

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



40.9561, 0.2076, 0.2293



43.9410, 0.4878, 0.3999

# 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.



40.9561, 0.3708, 0.4527



40.9561, 0.2076, 0.2293



40.9561, 0.4479, 0.3781

# Square

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



40.9561, 0.2076, 0.2293



40.9561, 0.3779, 0.2795



40.9561, 0.4238, 0.4251



40.9561, 0.2452, 0.3845



# Rectangle

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



40.9561, 0.2076, 0.2293



40.9561, 0.2860, 0.2356



40.9561, 0.4238, 0.4251



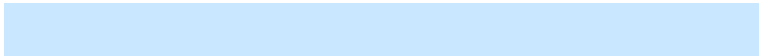
40.9561, 0.3274, 0.4498

# Sweetspot

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



40.9560, 0.2076, 0.2293



77.6235, 0.2796, 0.3048



75.2242, 0.2753, 0.4688



16.0537, 0.2752, 0.3012



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

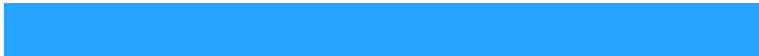


# Same Dimension

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



40.9560, 0.2076, 0.2293



33.9789, 0.1935, 0.2053



16.0492, 0.1796, 0.1171



19.1200, 0.2979, 0.3187



15.0196, 0.1845, 0.1840



1.6789, 0.1895, 0.2021



# Inverse Universe

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



29.5610, 0.4084, 0.2326



25.3215, 0.4374, 0.2280



84.0949, 0.4167, 0.4757



18.1630, 0.3203, 0.3154



12.2442, 0.4637, 0.2328



1.2140, 0.4429, 0.2214



# Previews

## White Background



This preview shows how the Yxy color 40.9561, 0.2076, 0.2293 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 40.9561, 0.2076, 0.2293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

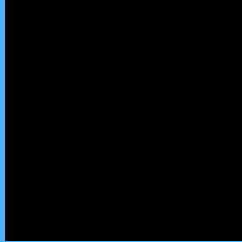
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

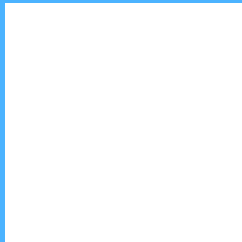
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.9561, 0.2076, 0.2293**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.9561, 0.2076, 0.2293.



This preview shows how white text looks on a background with the Yxy color 40.9561, 0.2076, 0.2293.

# 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

40.9561, 0.2076, 0.2293

### Protanopia

40.6788, 0.2407, 0.2314

### Deuteranopia

40.7947, 0.2285, 0.2231



## Tritanopia

41.0782, 0.2213, 0.3059

# Trichromacy



**Original Color**

40.9561, 0.2076, 0.2293

**Protanomaly**

40.3377, 0.2259, 0.2302

**Deuteranomaly**

40.4866, 0.2193, 0.2245

**Tritanomaly**

40.6540, 0.2147, 0.2737

# Monochromacy



**Original Color**

40.9561, 0.2076, 0.2293

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

35.2725, 0.2595, 0.2875

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9561, 0.2076, 0.2293 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(75, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 179, 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(75, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 179, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9561, 0.2076, 0.2293 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(75, 179, 255) }
```

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

```
.border{ border-color:rgb(75, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 179,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9561, 0.2076, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 179, 255) }
```

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

```
.background{ background-color: rgb(75, 179,  
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](#).

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