

# Converting Colors

$Yxy(49.8215, 0.1890, 0.1563)$

Have a look what the booklet for  
Yxy(49.8215, 0.1890, 0.1563)  
contains.

<b>Yxy(41.7901, 0.2186, 0.2294)</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(41.7901, 0.2186, 0.2294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BB1FF
RGB	107, 177, 255
RGB Percent	42%, 69%, 100%
CMY	0.5808, 0.3058, 0.0001
CMYK	0.58, 0.31, 0.00, 0.00
HSL	212°, 100%, 71%
HSV	212°, 58%, 100%
XYZ	39.8226, 41.7901, 100.5586
YIQ	164.9620, -66.7580, 9.4180

# Conversions

## Conversions Part 2

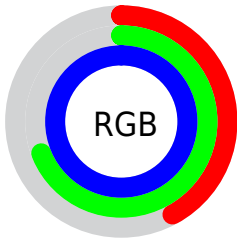
Format	Color
R <sub>YB</sub>	107, 155, 255
Decimal	7057919
CIE Lab	70.73, 0.32, -45.24
CIE LCh	71, 45.241, 270.407
Yxy	41.7901, 0.2186, 0.2294
Android (android.graphics.Color)	4285247999 (0xFF6BB1FF)
YUV	164.9620, 44.3887, -50.8327
Hunter-Lab	64.6453, -3.1700, -46.9765

# Details

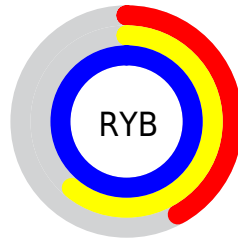
The Yxy color **41.7901, 0.2186, 0.2294** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.9504, 0.4378, 0.4074**, and the grayscale version is **37.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2581, 0.2608, 0.3030**, and **19.0845, 0.1947, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **35.3939, 0.2044, 0.2086**, and if you desaturate by 10%, it is **49.1764, 0.2342, 0.2497**.

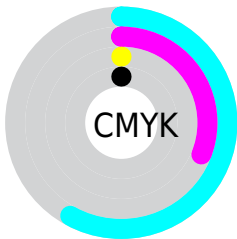
# Distribution



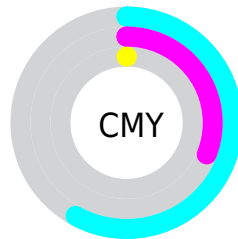
- Red (42%)
- Green (69%)
- Blue (100%)



- Red (42%)
- Yellow (61%)
- Blue (100%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7901, 0.2186, 0.2294 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 41.7901, 0.2186, 0.2294 by changing the saturation by 10% instead.



■ 41.7901, 0.2186,  
0.2294

■ 41.7901, 0.2186,  
0.2294

353.6121, 0.2643,  
0.2777

■ 28.9370, 0.2079,  
0.2181

■ 77.8819, 0.2347,  
0.2464

■ 19.0331, 0.1947,  
0.2042

■ 101.8893, 0.2409,  
0.2530

■ 11.6942, 0.1780,  
0.1865

■ 130.3836, 0.2462,  
0.2586

■ 6.5358, 0.1565,  
0.1639

163.7491, 0.2508,  
0.2635

■ 3.1736, 0.1285,  
0.1343

202.3704, 0.2548,  
0.2677

■ 1.2230, 0.0919,  
0.0958

246.6317, 0.2584,

■ 0.0804, 0.0148,

0.2714

0.0141

296.9175, 0.2615,  
0.2747

0.0000, 0.0000,  
0.0000

41.7901, 0.2186,  
0.2294

41.7901, 0.2186,  
0.2294

35.3939, 0.2044,  
0.2086

49.1764, 0.2342,  
0.2497

29.9262, 0.1921,  
0.1879

57.6001, 0.2507,  
0.2689

25.3228, 0.1823,  
0.1679

67.1098, 0.2674,  
0.2869

21.4991, 0.1751,  
0.1492

77.7494, 0.2840,  
0.3033

20.8339, 0.1738,  
0.1457

89.5600, 0.3002,  
0.3182

99.9988, 0.3127,  
0.3290

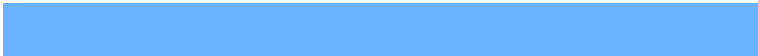
# Harmonies

## Analogous

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



41.7901, 0.1983, 0.2510



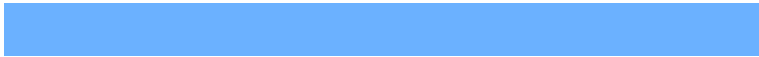
41.7901, 0.2186, 0.2294



41.7901, 0.2630, 0.2315

# Triad

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



41.7901, 0.2186, 0.2294



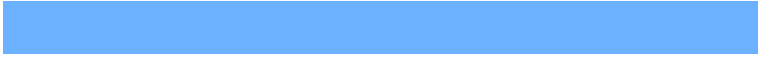
41.7901, 0.4352, 0.3400



41.7901, 0.2896, 0.4254

# Complementary

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



41.7901, 0.2186, 0.2294



56.9504, 0.4378, 0.4074

# 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.



41.7901, 0.3533, 0.4493



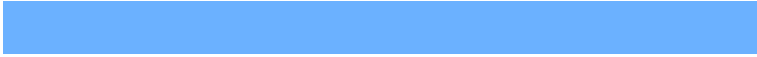
41.7901, 0.2186, 0.2294



41.7901, 0.4407, 0.3896

# Square

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



41.7901, 0.2186, 0.2294



41.7901, 0.3914, 0.2923



41.7901, 0.4091, 0.4315

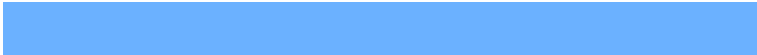


41.7901, 0.2355, 0.3648



# Rectangle

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



41.7901, 0.2186, 0.2294



41.7901, 0.3037, 0.2445



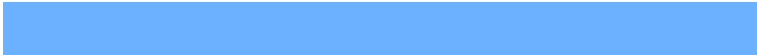
41.7901, 0.4091, 0.4315



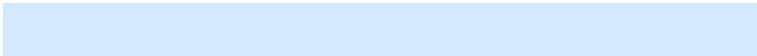
41.7901, 0.3106, 0.4384

# Sweetspot

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



41.7916, 0.2186, 0.2294



78.9795, 0.2858, 0.3050



78.0629, 0.2711, 0.4199



16.4220, 0.2825, 0.3019



0.0000, 0.0000, 0.0000

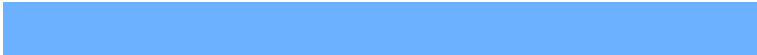


21.4041, 0.3127, 0.3290

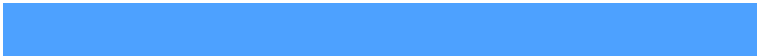


# Same Dimension

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



41.7916, 0.2186, 0.2294



34.2787, 0.2019, 0.2046



20.9856, 0.2007, 0.1421



18.7966, 0.2979, 0.3162



11.1819, 0.1746, 0.1487



1.3056, 0.1805, 0.1699



# Inverse Universe

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



34.9245, 0.4036, 0.2590



29.0725, 0.4333, 0.2505



93.3587, 0.3940, 0.4672



18.1303, 0.3220, 0.3178



11.8568, 0.5077, 0.2570



1.1763, 0.4808, 0.2422



# Previews

## White Background



This preview shows how the Yxy color 41.7901, 0.2186, 0.2294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

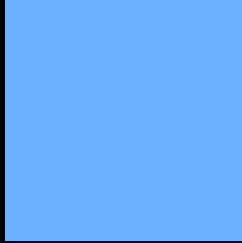
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7901, 0.2186, 0.2294 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

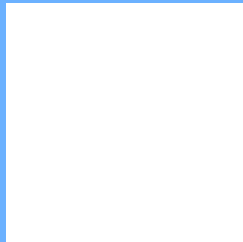
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7901, 0.2186, 0.2294**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7901, 0.2186, 0.2294.



This preview shows how white text looks on a background with the Yxy color 41.7901, 0.2186, 0.2294.

# 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

41.7901, 0.2186, 0.2294

### Protanopia

41.3265, 0.2399, 0.2299

### Deuteranopia

41.4967, 0.2310, 0.2249



## Tritanopia

41.7362, 0.2363, 0.3065

# Trichromacy



**Original Color**

41.7901, 0.2186, 0.2294

**Protanomaly**

41.3756, 0.2314, 0.2297

**Deuteranomaly**

41.4671, 0.2261, 0.2262

**Tritanomaly**

41.4146, 0.2292, 0.2752

# Monochromacy



**Original Color**

41.7901, 0.2186, 0.2294

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

38.3824, 0.2694, 0.2881

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7901, 0.2186, 0.2294 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(107, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 177, 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(107, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 177, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7901, 0.2186, 0.2294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

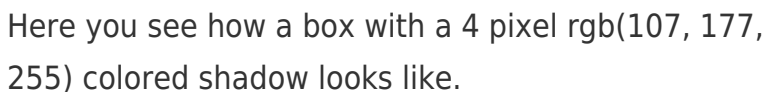
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 177, 255) }
```

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

```
.border{ border-color:rgb(107, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 177,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7901, 0.2186, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 177, 255) }
```

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

```
.background{ background-color: rgb(107,  
177, 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