

Converting Colors

$Yxy(39.3486, 0.2148, 0.2214)$

Have a look what the booklet for
Yxy(39.3486, 0.2148, 0.2214)
contains.

Yxy(39.1706, 0.2147, 0.2208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.1706, 0.2147, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	66ABFF
RGB	102, 171, 255
RGB Percent	40%, 67%, 100%
CMY	0.6000, 0.3294, 0.0001
CMYK	0.60, 0.33, 0.00, 0.00
HSL	213°, 100%, 70%
HSV	213°, 60%, 100%
XYZ	38.0884, 39.1706, 100.1440
YIQ	159.9450, -68.0880, 11.4960

Conversions

Conversions Part 2

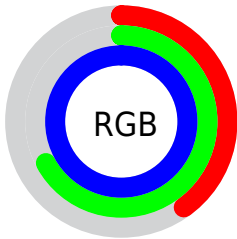
Format	Color
R _{YB}	102, 150, 255
Decimal	6728703
CIE Lab	68.87, 2.79, -48.16
CIE LCh	69, 48.244, 273.314
Yxy	39.1706, 0.2147, 0.2208
Android (android.graphics.Color)	4284918783 (0xFF66ABFF)
YUV	159.9450, 46.8621, -50.8178
Hunter-Lab	62.5864, -0.8959, -51.0590

Details

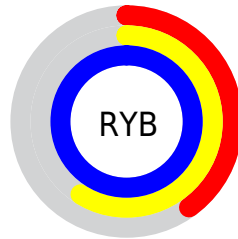
The Yxy color **39.1706, 0.2147, 0.2208** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **57.3184, 0.4405, 0.4126**, and the grayscale version is **34.9307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3992, 0.2573, 0.2959**, and **17.4414, 0.1893, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **32.8938, 0.2005, 0.1991**, and if you desaturate by 10%, it is **46.4679, 0.2304, 0.2421**.

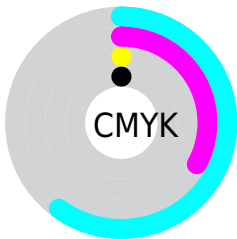
Distribution



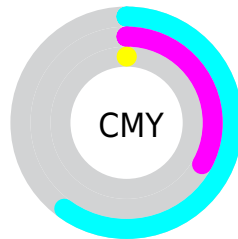
- Red (40%)
- Green (67%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1706, 0.2147, 0.2208 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 39.1706, 0.2147, 0.2208 by changing the saturation by 10% instead.


 39.1706, 0.2147,
0.2208


 39.1706, 0.2147,
0.2208


342.6153, 0.2626,
0.2733


 26.8925, 0.2034,
0.2086


 73.8989, 0.2317,
0.2393

 17.4925, 0.1895,
0.1935


 97.1178, 0.2382,
0.2464

 10.5862, 0.1719,
0.1746


 124.7524, 0.2437,
0.2525

 5.7893, 0.1494,
0.1505

157.1872, 0.2485,
0.2578

 2.7174, 0.1201,
0.1195

194.8065, 0.2527,
0.2624

 0.9860, 0.0825,
0.0803

237.9946, 0.2564,

 0.0000, 0.0000,

0.2664

0.0000

287.1361, 0.2597,
0.2700

■ 39.1706, 0.2147,
0.2208

■ 39.1706, 0.2147,
0.2208

■ 32.8938, 0.2005,
0.1991

■ 46.4679, 0.2304,
0.2421

■ 27.5726, 0.1884,
0.1777

■ 54.8362, 0.2470,
0.2625

■ 23.1381, 0.1789,
0.1573

■ 64.3270, 0.2640,
0.2816

■ 19.4864, 0.1718,
0.1385

■ 74.9864, 0.2808,
0.2990

■ 86.8580, 0.2971,
0.3149

99.9826, 0.3127,
0.3290

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.



39.1706, 0.1905, 0.2407



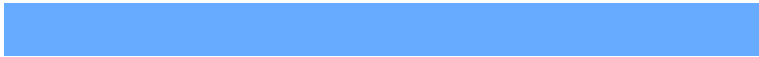
39.1706, 0.2147, 0.2208



39.1706, 0.2645, 0.2256

Triad

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



39.1706, 0.2147, 0.2208



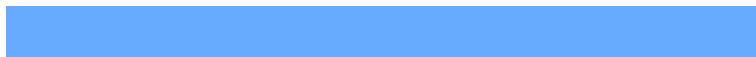
39.1706, 0.4487, 0.3450



39.1706, 0.2806, 0.4300

Complementary

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



39.1706, 0.2147, 0.2208



57.3184, 0.4405, 0.4126

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.



39.1706, 0.3491, 0.4603



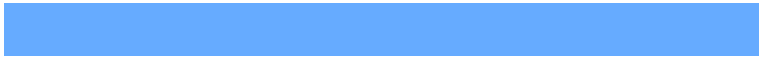
39.1706, 0.2147, 0.2208



39.1706, 0.4497, 0.3981

Square

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



39.1706, 0.2147, 0.2208



39.1706, 0.4045, 0.2937



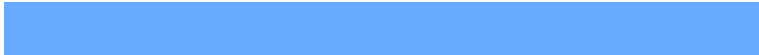
39.1706, 0.4114, 0.4429



39.1706, 0.2243, 0.3604

Rectangle

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



39.1706, 0.2147, 0.2208



39.1706, 0.3095, 0.2408



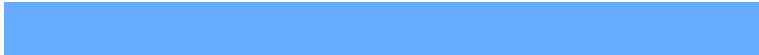
39.1706, 0.4114, 0.4429



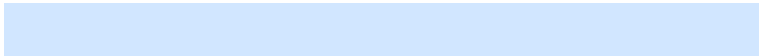
39.1706, 0.3030, 0.4457

Sweetspot

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



39.1719, 0.2147, 0.2208



77.2758, 0.2841, 0.3023



77.7755, 0.2692, 0.4201



15.8347, 0.2793, 0.2975



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.



39.1719, 0.2147, 0.2208



31.7605, 0.1979, 0.1948



19.8513, 0.1983, 0.1363



18.7272, 0.2979, 0.3156



10.4724, 0.1726, 0.1415



1.2343, 0.1787, 0.1631

Inverse Universe

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



33.6981, 0.4126, 0.2607



28.1581, 0.4446, 0.2536



92.7690, 0.3942, 0.4716



18.1233, 0.3223, 0.3183



11.7852, 0.5172, 0.2623



1.1691, 0.4892, 0.2468

Previews

White Background



This preview shows how the Yxy color 39.1706, 0.2147, 0.2208 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 39.1706, 0.2147, 0.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

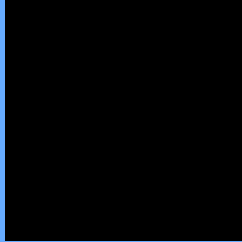
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

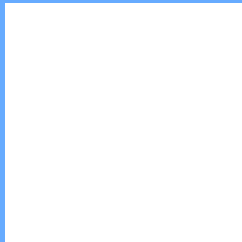
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.1706, 0.2147, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 39.1706, 0.2147, 0.2208.



This preview shows how white text looks on a background with the Yxy color 39.1706, 0.2147, 0.2208.

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

39.1706, 0.2147, 0.2208

Protanopia

38.7937, 0.2340, 0.2222

Deuteranopia

39.1425, 0.2240, 0.2182



Tritanopia

39.0236, 0.2334, 0.3058

Trichromacy



Original Color

39.1706, 0.2147, 0.2208

Protanomaly

38.9624, 0.2263, 0.2222

Deuteranomaly

38.9383, 0.2202, 0.2184

Tritanomaly

38.8340, 0.2256, 0.2710

Monochromacy



Original Color

39.1706, 0.2147, 0.2208

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.9800, 0.2669, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1706, 0.2147, 0.2208 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(102, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 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(102, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.1706, 0.2147, 0.2208 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(102, 171, 255) }
```

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

```
.border{ border-color:rgb(102, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1706, 0.2147, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 255) }
```

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

```
.background{ background-color: rgb(102,  
171, 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