

Converting Colors

$Y_{xy}(40.7494, 0.2040, 0.1953)$

Have a look what the booklet for
Yxy(40.7494, 0.2040, 0.1953)
contains.

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Color

Yxy(38.6788, 0.2136, 0.2192)

Conversions

Conversions Part 1

Format	Color
Hex	64AAFF
RGB	100, 170, 255
RGB Percent	39%, 67%, 100%
CMY	0.6073, 0.3334, 0.0000
CMYK	0.61, 0.33, 0.00, 0.00
HSL	213°, 100%, 70%
HSV	213°, 61%, 100%
XYZ	37.6907, 38.6788, 100.0849
YIQ	158.7600, -69.0050, 11.5950

Conversions

Conversions Part 2

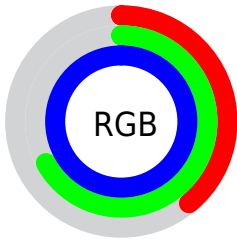
Format	Color
R _Y B	100, 148, 255
Decimal	6597375
CIE Lab	68.52, 3.04, -48.74
CIE LCh	69, 48.835, 273.567
Yxy	38.6788, 0.2136, 0.2192
Android (android.graphics.Color)	4284787455 (0xFF64AAFF)
YUV	158.7600, 47.4463, -51.5325
Hunter-Lab	62.1923, -0.6594, -51.8797

Details

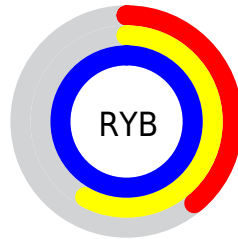
The Yxy color **38.6788, 0.2136, 0.2192** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **56.9450, 0.4423, 0.4134**, and the grayscale version is **34.3736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7518, 0.2566, 0.2946**, and **17.1356, 0.1877, 0.1907** is the 20% darker color. If you saturate the color by 10%, you get **32.4727, 0.1995, 0.1975**, and if you desaturate by 10%, it is **45.9015, 0.2292, 0.2406**.

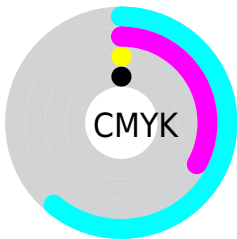
Distribution



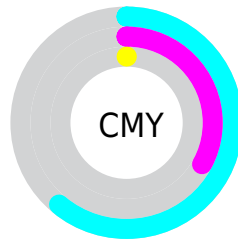
- Red (39%)
- Green (67%)
- Blue (100%)



- Red (39%)
- Yellow (58%)
- Blue (100%)



- Cyan (61%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6788, 0.2136, 0.2192 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 38.6788, 0.2136, 0.2192 by changing the saturation by 10% instead.


 38.6788, 0.2136,
0.2192


 38.6788, 0.2136,
0.2192


340.5230, 0.2621,
0.2725

 26.5099, 0.2022,
0.2068


 73.1474, 0.2308,
0.2379

 17.2055, 0.1881,
0.1915


 96.2159, 0.2374,
0.2452

 10.3811, 0.1703,
0.1724

 123.6864, 0.2430,
0.2514

 5.6524, 0.1475,
0.1480

155.9433, 0.2479,
0.2567

 2.6349, 0.1179,
0.1168

193.3711, 0.2521,
0.2614

 0.9442, 0.0802,
0.0775

236.3540, 0.2559,

 0.0000, 0.0000,

0.2655

0.0000

285.2765, 0.2592,
0.2692

■ 38.6788, 0.2136,
0.2192

■ 38.6788, 0.2136,
0.2192

■ 32.4727, 0.1995,
0.1975

■ 45.9015, 0.2292,
0.2406

■ 27.2178, 0.1876,
0.1761

■ 54.1918, 0.2458,
0.2610

■ 22.8443, 0.1783,
0.1558

■ 63.6014, 0.2627,
0.2802

■ 19.4833, 0.1718,
0.1384

■ 74.1769, 0.2796,
0.2978

■ 85.9618, 0.2960,
0.3138

98.9973, 0.3116,
0.3280

99.9999, 0.3127,
0.3290

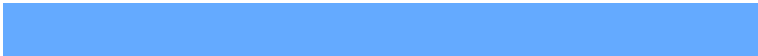
Harmonies

Analogous

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



38.6788, 0.1889, 0.2391



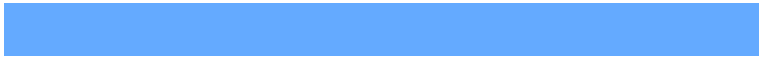
38.6788, 0.2136, 0.2192



38.6788, 0.2643, 0.2244

Triad

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



38.6788, 0.2136, 0.2192



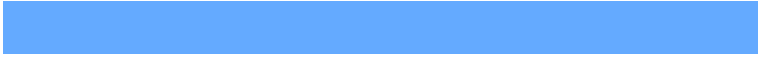
38.6788, 0.4511, 0.3455



38.6788, 0.2794, 0.4314

Complementary

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



38.6788, 0.2136, 0.2192



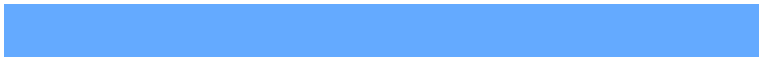
56.9450, 0.4423, 0.4134

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.



38.6788, 0.3489, 0.4625



38.6788, 0.2136, 0.2192



38.6788, 0.4516, 0.3993

Square

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



38.6788, 0.2136, 0.2192



38.6788, 0.4066, 0.2935



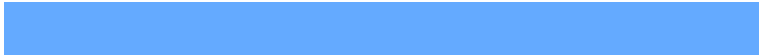
38.6788, 0.4123, 0.4449



38.6788, 0.2225, 0.3602

Rectangle

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



38.6788, 0.2136, 0.2192



38.6788, 0.3100, 0.2398



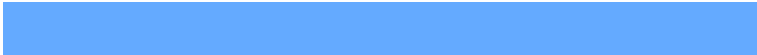
38.6788, 0.4123, 0.4449



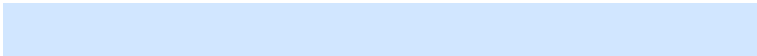
38.6788, 0.3021, 0.4475

Sweetspot

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



38.6801, 0.2136, 0.2192



77.2732, 0.2841, 0.3023



77.6440, 0.2690, 0.4215



15.8341, 0.2793, 0.2975



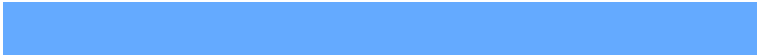
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.6801, 0.2136, 0.2192



31.1989, 0.1966, 0.1926



19.3823, 0.1968, 0.1339



18.7269, 0.2979, 0.3156



10.4693, 0.1726, 0.1414



1.2340, 0.1787, 0.1631

Inverse Universe

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



33.3023, 0.4145, 0.2601



27.7913, 0.4475, 0.2533



92.7356, 0.3949, 0.4730



18.1233, 0.3223, 0.3183



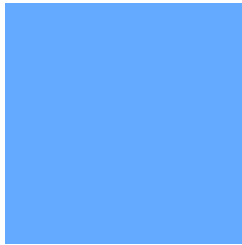
11.7848, 0.5172, 0.2623



1.1691, 0.4892, 0.2469

Previews

White Background



This preview shows how the Yxy color 38.6788, 0.2136, 0.2192 looks on a white background.

Color Contrast Check

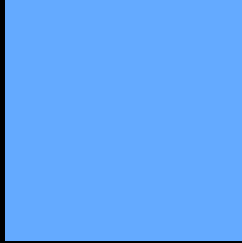
Large Text (above 18pt) WCAG AA × Fail

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 38.6788, 0.2136, 0.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

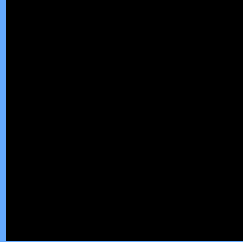
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

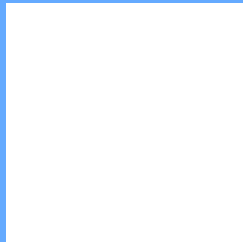
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6788, 0.2136, 0.2192

Background



This preview shows how black text looks on a background with the Yxy color 38.6788, 0.2136, 0.2192.



This preview shows how white text looks on a background with the Yxy color 38.6788, 0.2136, 0.2192.

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

38.6788, 0.2136, 0.2192

Protanopia

38.3523, 0.2332, 0.2207

Deuteranopia

38.6300, 0.2227, 0.2166



Tritanopia

38.8579, 0.2328, 0.3072

Trichromacy



Original Color

38.6788, 0.2136, 0.2192

Protanomaly

38.5226, 0.2255, 0.2207

Deuteranomaly

38.4348, 0.2190, 0.2169

Tritanomaly

38.6895, 0.2252, 0.2722

Monochromacy



Original Color

38.6788, 0.2136, 0.2192

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4927, 0.2667, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6788, 0.2136, 0.2192 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(100, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 170, 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(100, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.6788, 0.2136, 0.2192 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(100, 170, 255) }
```

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

```
.border{ border-color:rgb(100, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6788, 0.2136, 0.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 170, 255) }
```

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

```
.background{ background-color: rgb(100,  
170, 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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