

Converting Colors

$Y_{xy}(46.2895, 0.2122, 0.2260)$

Have a look what the booklet for
Yxy(46.2895, 0.2122, 0.2260)
contains.

Yxy(45.3573, 0.2180, 0.2420)	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(45.3573, 0.2180, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	62BBFF
RGB	98, 187, 255
RGB Percent	38%, 73%, 100%
CMY	0.6156, 0.2667, 0.0000
CMYK	0.62, 0.27, 0.00, 0.00
HSL	206°, 100%, 69%
HSV	206°, 62%, 100%
XYZ	40.8591, 45.3573, 101.2105
YIQ	168.1410, -74.8720, 2.2800

Conversions

Conversions Part 2

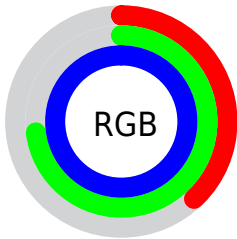
Format	Color
R _Y B	98, 155, 255
Decimal	6470655
CIE Lab	73.13, -6.81, -41.52
CIE LCh	73, 42.075, 260.688
Yxy	45.3573, 0.2180, 0.2420
Android (android.graphics.Color)	4284660735 (0xFF62BBFF)
YUV	168.1410, 42.8215, -61.5137
Hunter-Lab	67.3478, -9.5651, -41.9577

Details

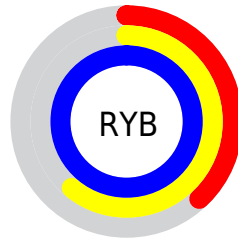
The Yxy color **45.3573, 0.2180, 0.2420** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.4249, 0.4581, 0.3967**, and the grayscale version is **39.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7948, 0.2586, 0.3154**, and **21.1532, 0.1946, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **39.6504, 0.2058, 0.2249**, and if you desaturate by 10%, it is **51.8793, 0.2319, 0.2587**.

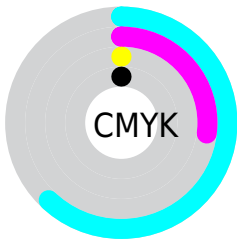
Distribution



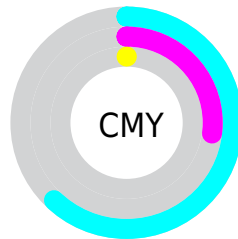
- Red (38%)
- Green (73%)
- Blue (100%)



- Red (38%)
- Yellow (61%)
- Blue (100%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3573, 0.2180, 0.2420 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 45.3573, 0.2180, 0.2420 by changing the saturation by 10% instead.

45.3573, 0.2180,
0.2420

45.3573, 0.2180,
0.2420

368.2187, 0.2633,
0.2845

31.7390, 0.2075,
0.2320

83.2563, 0.2339,
0.2571

21.1622, 0.1946,
0.2195

108.3058, 0.2400,
0.2628

13.2426, 0.1784,
0.2036

137.9344, 0.2453,
0.2678

7.5958, 0.1577,
0.1830

172.5266, 0.2498,
0.2720

3.8374, 0.1306,
0.1555

212.4667, 0.2538,
0.2757

1.5830, 0.0952,
0.1185

258.1392, 0.2574,

0.3461, 0.0265,

0.2790

0.0564

309.9284, 0.2605,
0.2819

0.0000, 0.0000,
0.0000

45.3573, 0.2180,
0.2420

45.3573, 0.2180,
0.2420

39.6504, 0.2058,
0.2249

51.8793, 0.2319,
0.2587

34.7016, 0.1956,
0.2079

59.2586, 0.2469,
0.2746

30.4503, 0.1878,
0.1912

67.5390, 0.2627,
0.2896

27.3288, 0.1827,
0.1777

76.7591, 0.2787,
0.3034

86.9552, 0.2947,
0.3160

98.1612, 0.3103,
0.3273

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.



45.3573, 0.2068, 0.2700



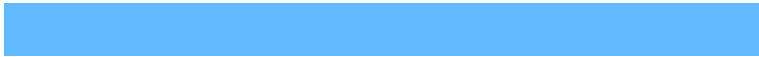
45.3573, 0.2180, 0.2420



45.3573, 0.2522, 0.2368

Triad

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



45.3573, 0.2180, 0.2420



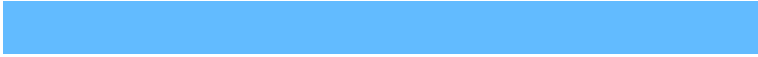
45.3573, 0.4140, 0.3251



45.3573, 0.3110, 0.4267

Complementary

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



45.3573, 0.2180, 0.2420



49.4249, 0.4581, 0.3967

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.



45.3573, 0.3683, 0.4362



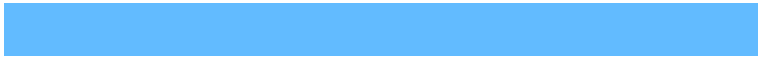
45.3573, 0.2180, 0.2420



45.3573, 0.4312, 0.3710

Square

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



45.3573, 0.2180, 0.2420



45.3573, 0.3660, 0.2830



45.3573, 0.4131, 0.4123



45.3573, 0.2569, 0.3810

Rectangle

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



45.3573, 0.2180, 0.2420



45.3573, 0.2860, 0.2447



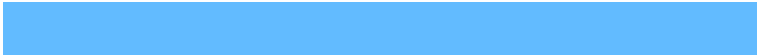
45.3573, 0.4131, 0.4123



45.3573, 0.3305, 0.4343

Sweetspot

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



45.3587, 0.2180, 0.2420



80.2731, 0.2844, 0.3081



76.7781, 0.2768, 0.4479



16.5646, 0.2797, 0.3043



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.



45.3587, 0.2180, 0.2420



38.3739, 0.2031, 0.2207



21.2108, 0.1956, 0.1441



19.0866, 0.2979, 0.3184



14.5825, 0.1834, 0.1803



1.6372, 0.1885, 0.1987

Inverse Universe

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



33.5883, 0.3933, 0.2420



28.2186, 0.4181, 0.2324



85.5984, 0.4066, 0.4630



18.1596, 0.3205, 0.3156



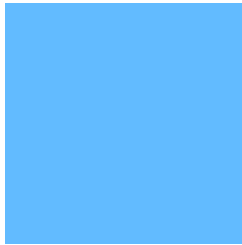
12.2001, 0.4682, 0.2353



1.2098, 0.4467, 0.2235

Previews

White Background



This preview shows how the Yxy color 45.3573, 0.2180, 0.2420 looks on a white background.

Color Contrast Check

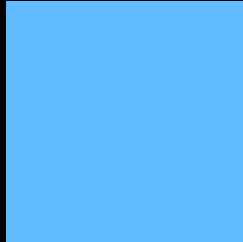
Large Text (above 18pt) WCAG AA × Fail

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 45.3573, 0.2180, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

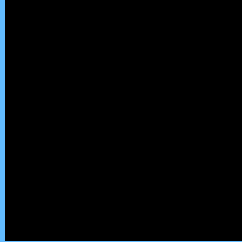
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

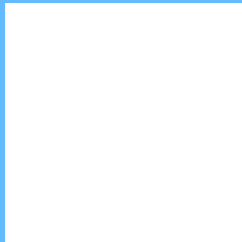
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3573, 0.2180, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 45.3573, 0.2180, 0.2420.



This preview shows how white text looks on a background with the Yxy color 45.3573, 0.2180, 0.2420.

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

45.3573, 0.2180, 0.2420

Protanopia

44.8726, 0.2499, 0.2434

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.3111, 0.2317, 0.3057

Trichromacy



Original Color

45.3573, 0.2180, 0.2420

Protanomaly

44.7163, 0.2365, 0.2427

Deuteranomaly

45.0136, 0.2307, 0.2372

Tritanomaly

45.1766, 0.2263, 0.2804

Monochromacy



Original Color

45.3573, 0.2180, 0.2420

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6697, 0.2682, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3573, 0.2180, 0.2420 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(98, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 187, 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(98, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3573, 0.2180, 0.2420 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(98, 187, 255) }
```

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

```
.border{ border-color:rgb(98, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3573, 0.2180, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 187, 255) }
```

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

```
.background{ background-color: rgb(98, 187,  
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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