

Converting Colors

$Y_{xy}(45.3167, 0.2254, 0.2397)$

Have a look what the booklet for
Yxy(45.3167, 0.2254, 0.2397)
contains.

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Color

Yxy(45.3525, 0.2256, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	76B8FF
RGB	118, 184, 255
RGB Percent	46%, 72%, 100%
CMY	0.5370, 0.2785, 0.0000
CMYK	0.54, 0.28, 0.00, 0.00
HSL	211°, 100%, 73%
HSV	211°, 54%, 100%
XYZ	42.6669, 45.3525, 101.1069
YIQ	172.3600, -62.1270, 8.0890

Conversions

Conversions Part 2

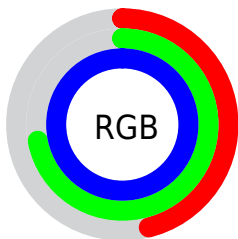
Format	Color
RYB	118, 163, 255
Decimal	7780607
CIELab	73.12, -1.31, -41.46
CIElCh	73, 41.480, 268.191
Yxy	45.3525, 0.2256, 0.2398
Android (android.graphics.Color)	4285970687 (0xFF76B8FF)
YUV	172.3600, 40.7415, -47.6737
Hunter-Lab	67.3443, -4.7613, -41.8737

Details

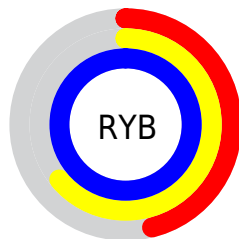
The Yxy color **45.3525, 0.2256, 0.2398** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.9929, 0.4268, 0.4014**, and the grayscale version is **41.2679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8873, 0.2667, 0.3124**, and **21.0941, 0.2036, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **38.5637, 0.2108, 0.2195**, and if you desaturate by 10%, it is **53.1405, 0.2416, 0.2594**.

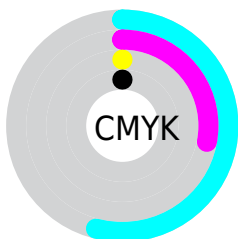
Distribution



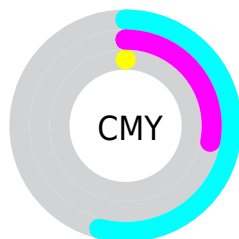
- Red (46%)
- Green (72%)
- Blue (100%)



- Red (46%)
- Yellow (64%)
- Blue (100%)



- Cyan (54%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3525, 0.2256, 0.2398 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 45.3525, 0.2256, 0.2398 by changing the saturation by 10% instead.


 45.3525, 0.2256,
0.2398

 45.3525, 0.2256,
0.2398


368.1993, 0.2675,
0.2829


 31.7352, 0.2158,
0.2297


 83.2491, 0.2404,
0.2550

 21.1593, 0.2037,
0.2172


 108.2972, 0.2460,
0.2609

 13.2405, 0.1884,
0.2013


 137.9243, 0.2509,
0.2659

 7.5944, 0.1687,
0.1808

172.5149, 0.2551,
0.2702

 3.8365, 0.1426,
0.1536

212.4533, 0.2588,
0.2740

 1.5825, 0.1078,
0.1170

258.1239, 0.2621,

 0.3458, 0.0474,

0.2773

0.0553

309.9111, 0.2650,
0.2803

0.0000, 0.0000,
0.0000

45.3525, 0.2256,
0.2398

45.3525, 0.2256,
0.2398

38.5637, 0.2108,
0.2195

53.1405, 0.2416,
0.2594

32.7155, 0.1978,
0.1990

61.9716, 0.2581,
0.2778

27.7485, 0.1869,
0.1788

71.8927, 0.2748,
0.2948

23.5911, 0.1786,
0.1597

82.9456, 0.2912,
0.3103

21.3290, 0.1745,
0.1483

95.1699, 0.3070,
0.3242

99.9996, 0.3127,
0.3290

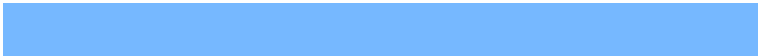
Harmonies

Analogous

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



45.3525, 0.2087, 0.2617



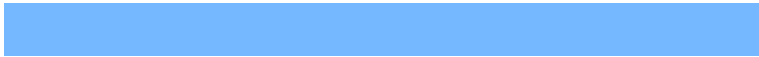
45.3525, 0.2256, 0.2398



45.3525, 0.2647, 0.2399

Triad

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



45.3525, 0.2256, 0.2398



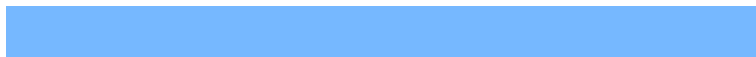
45.3525, 0.4201, 0.3365



45.3525, 0.2968, 0.4168

Complementary

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



45.3525, 0.2256, 0.2398



58.9929, 0.4268, 0.4014

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.



45.3525, 0.3541, 0.4359



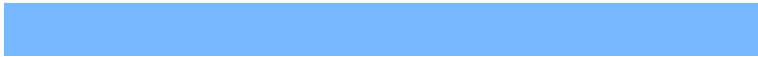
45.3525, 0.2256, 0.2398



45.3525, 0.4282, 0.3816

Square

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



45.3525, 0.2256, 0.2398



45.3525, 0.3791, 0.2933



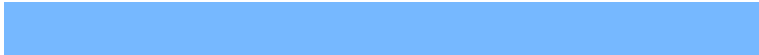
45.3525, 0.4028, 0.4194



45.3525, 0.2466, 0.3655

Rectangle

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



45.3525, 0.2256, 0.2398



45.3525, 0.3007, 0.2508



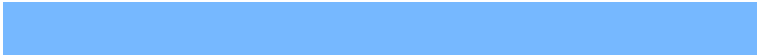
45.3525, 0.4028, 0.4194



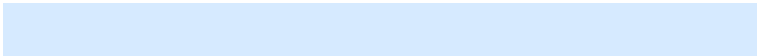
45.3525, 0.3159, 0.4275

Sweetspot

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



45.3541, 0.2256, 0.2398



80.3031, 0.2875, 0.3069



79.0385, 0.2730, 0.4117



16.6927, 0.2841, 0.3038



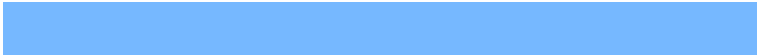
0.0000, 0.0000, 0.0000



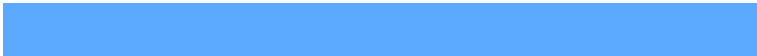
21.4041, 0.3127, 0.3290

Same Dimension

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



45.3541, 0.2256, 0.2398



38.3756, 0.2104, 0.2189



24.2104, 0.2098, 0.1571



18.8210, 0.2979, 0.3163



11.4410, 0.1754, 0.1512



1.3314, 0.1812, 0.1723

Inverse Universe

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



37.6920, 0.3923, 0.2623



31.7962, 0.4163, 0.2529



93.6544, 0.3891, 0.4588



18.1328, 0.3218, 0.3176



11.8829, 0.5043, 0.2552



1.1789, 0.4779, 0.2406

Previews

White Background



This preview shows how the Yxy color 45.3525, 0.2256, 0.2398 looks on a white background.

Color Contrast Check

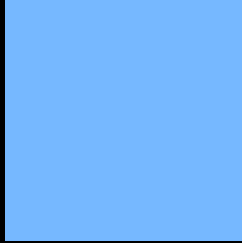
Large Text (above 18pt) WCAG AA × Fail

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 45.3525, 0.2256, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

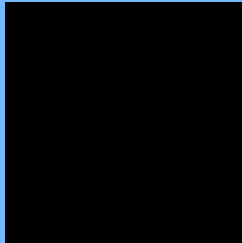
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

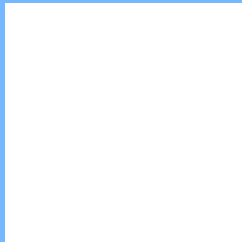
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3525, 0.2256, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 45.3525, 0.2256, 0.2398.



This preview shows how white text looks on a background with the Yxy color 45.3525, 0.2256, 0.2398.

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

45.3525, 0.2256, 0.2398

Protanopia

45.0583, 0.2482, 0.2404

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.4607, 0.2423, 0.3075

Trichromacy



Original Color

45.3525, 0.2256, 0.2398

Protanomaly

45.0449, 0.2393, 0.2402

Deuteranomaly

45.2658, 0.2347, 0.2369

Tritanomaly

45.3890, 0.2358, 0.2811

Monochromacy



Original Color

45.3525, 0.2256, 0.2398

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.9903, 0.2736, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3525, 0.2256, 0.2398 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(118, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 184, 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(118, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3525, 0.2256, 0.2398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

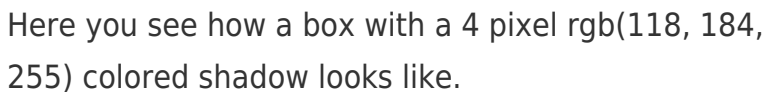
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 184, 255) }
```

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

```
.border{ border-color:rgb(118, 184, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 184, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 184, 255); box-shadow:4px 4px 4px 4px rgb(118, 184, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3525, 0.2256, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 184, 255) }
```

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

```
.background{ background-color: rgb(118,  
184, 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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