

Converting Colors

$Yxy(46.1658, 0.2303, 0.2356)$

Have a look what the booklet for
Yxy(46.1658, 0.2303, 0.2356)
contains.

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Color

Yxy(45.9925, 0.2322, 0.2400)

Conversions

Conversions Part 1

Format	Color
Hex	84B7FF
RGB	132, 183, 255
RGB Percent	52%, 72%, 100%
CMY	0.4824, 0.2823, 0.0000
CMYK	0.48, 0.28, 0.00, 0.00
HSL	215°, 100%, 76%
HSV	215°, 48%, 100%
XYZ	44.4977, 45.9925, 101.1452
YIQ	175.9590, -53.5080, 11.5800

Conversions

Conversions Part 2

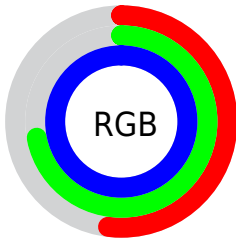
Format	Color
R _Y B	132, 168, 255
Decimal	8697855
CIE Lab	73.54, 2.29, -40.76
CIE LCh	74, 40.829, 273.217
Yxy	45.9925, 0.2322, 0.2400
Android (android.graphics.Color)	4286887935 (0xFF84B7FF)
YUV	175.9590, 38.9672, -38.5520
Hunter-Lab	67.8178, -1.5607, -40.9542

Details

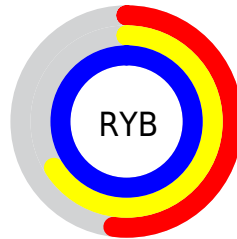
The Yxy color **45.9925, 0.2322, 0.2400** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1020, 0.4081, 0.4027**, and the grayscale version is **43.2068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9002, 0.2736, 0.3116**, and **21.4589, 0.2117, 0.2171** is the 20% darker color. If you saturate the color by 10%, you get **38.3495, 0.2158, 0.2174**, and if you desaturate by 10%, it is **54.7931, 0.2494, 0.2616**.

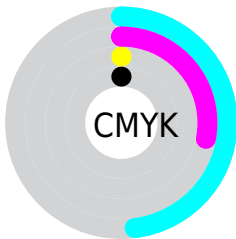
Distribution



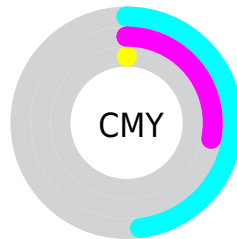
- Red (52%)
- Green (72%)
- Blue (100%)



- Red (52%)
- Yellow (66%)
- Blue (100%)



- Cyan (48%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9925, 0.2322, 0.2400 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 45.9925, 0.2322, 0.2400 by changing the saturation by 10% instead.


 45.9925, 0.2322,
0.2400


 45.9925, 0.2322,
0.2400

370.7785, 0.2711,
0.2827


 32.2399, 0.2231,
0.2301


 84.2078, 0.2459,
0.2550

 21.5448, 0.2118,
0.2178


 109.4392, 0.2512,
0.2608

 13.5228, 0.1974,
0.2022


 139.2658, 0.2557,
0.2658

 7.7895, 0.1787,
0.1821

174.0718, 0.2596,
0.2701

 3.9606, 0.1538,
0.1555

214.2417, 0.2631,
0.2738

 1.6515, 0.1200,
0.1197

260.1598, 0.2661,

 0.3920, 0.0666,

0.2771

0.0609

312.2106, 0.2687,
0.2801

■ 0.0000, 0.0000,
0.0000

■ 45.9925, 0.2322,
0.2400

■ 45.9925, 0.2322,
0.2400

■ 38.3495, 0.2158,
0.2174

■ 54.7931, 0.2494,
0.2616

■ 31.8028, 0.2008,
0.1943

■ 64.8004, 0.2666,
0.2817

■ 26.2901, 0.1878,
0.1716

■ 76.0650, 0.2836,
0.3001

■ 21.7387, 0.1774,
0.1500

■ 88.6328, 0.2999,
0.3167

■ 18.0556, 0.1698,
0.1304

100.0000, 0.3127,
0.3290

■ 17.4787, 0.1687,
0.1272

Harmonies

Analogous

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



45.9925, 0.2117, 0.2579



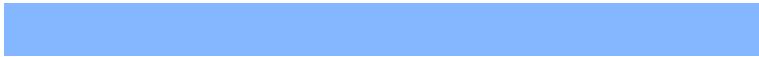
45.9925, 0.2322, 0.2400



45.9925, 0.2739, 0.2434

Triad

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



45.9925, 0.2322, 0.2400



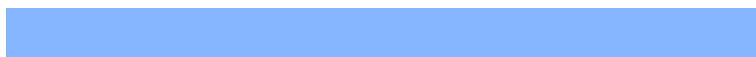
45.9925, 0.4217, 0.3440



45.9925, 0.2881, 0.4082

Complementary

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



45.9925, 0.2322, 0.2400



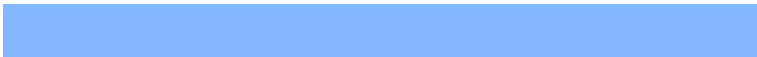
66.1020, 0.4081, 0.4027

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.



45.9925, 0.3442, 0.4331



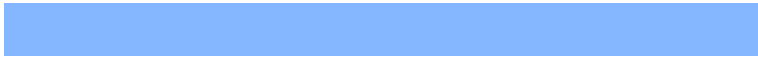
45.9925, 0.2322, 0.2400



45.9925, 0.4239, 0.3878

Square

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



45.9925, 0.2322, 0.2400



45.9925, 0.3863, 0.3007



45.9925, 0.3943, 0.4224



45.9925, 0.2413, 0.3549

Rectangle

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



45.9925, 0.2322, 0.2400



45.9925, 0.3106, 0.2561



45.9925, 0.3943, 0.4224



45.9925, 0.3065, 0.4205

Sweetspot

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



45.9937, 0.2322, 0.2400



81.2329, 0.2906, 0.3074



80.7718, 0.2719, 0.3911



16.8181, 0.2871, 0.3037



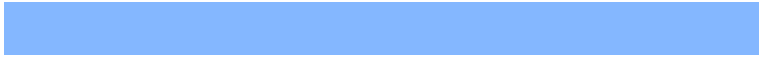
0.0000, 0.0000, 0.0000



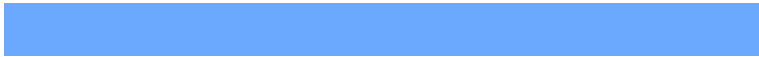
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9937, 0.2322, 0.2400



38.5204, 0.2162, 0.2179



29.4906, 0.2268, 0.1784



18.6154, 0.2979, 0.3147



9.4109, 0.1695, 0.1302



1.1258, 0.1757, 0.1524

Inverse Universe

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



41.1779, 0.3898, 0.2765



34.6399, 0.4144, 0.2677



92.5529, 0.3768, 0.4500



18.1120, 0.3229, 0.3192



11.6780, 0.5324, 0.2706



1.1582, 0.5028, 0.2543

Previews

White Background



This preview shows how the Yxy color 45.9925, 0.2322, 0.2400 looks on a white background.

Color Contrast Check

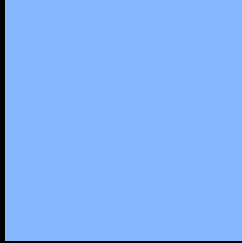
Large Text (above 18pt) WCAG AA × Fail

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 45.9925, 0.2322, 0.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

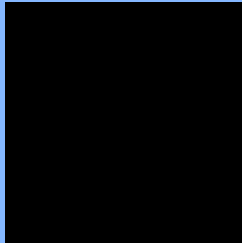
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

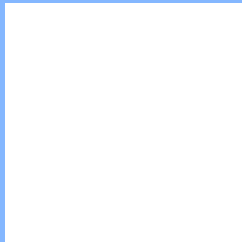
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9925, 0.2322, 0.2400

Background



This preview shows how black text looks on a background with the Yxy color 45.9925, 0.2322, 0.2400.



This preview shows how white text looks on a background with the Yxy color 45.9925, 0.2322, 0.2400.

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

45.9925, 0.2322, 0.2400

Protanopia

45.6784, 0.2479, 0.2398

Deuteranopia

45.7362, 0.2423, 0.2362



Tritanopia

45.9862, 0.2507, 0.3079

Trichromacy



Original Color

45.9925, 0.2322, 0.2400

Protanomaly

45.6580, 0.2423, 0.2400

Deuteranomaly

45.8823, 0.2386, 0.2378

Tritanomaly

45.9146, 0.2436, 0.2819

Monochromacy



Original Color

45.9925, 0.2322, 0.2400

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1216, 0.2779, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9925, 0.2322, 0.2400 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(132, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 183, 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(132, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.9925, 0.2322, 0.2400 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(132, 183, 255) }
```

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

```
.border{ border-color:rgb(132, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9925, 0.2322, 0.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 183, 255) }
```

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

```
.background{ background-color: rgb(132,  
183, 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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