

Converting Colors

$Y_{xy}(43.7798, 0.2311, 0.2425)$

Have a look what the booklet for
Yxy(43.7798, 0.2311, 0.2425)
contains.

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Color

Yxy(43.7798, 0.2311, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	7DB4F8
RGB	125, 180, 248
RGB Percent	49%, 71%, 97%
CMY	0.5097, 0.2941, 0.0276
CMYK	0.50, 0.27, 0.00, 0.03
HSL	213°, 90%, 73%
HSV	213°, 50%, 97%
XYZ	41.7217, 43.7798, 95.0338
YIQ	171.3070, -54.6080, 9.4880

Conversions

Conversions Part 2

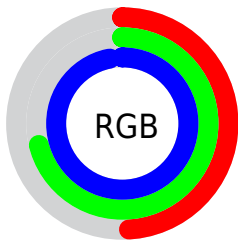
Format	Color
R _Y B	125, 163, 248
Decimal	8238328
CIE Lab	72.08, 0.34, -39.27
CIE LCh	72, 39.271, 270.489
Yxy	43.7798, 0.2311, 0.2425
Android (android.graphics.Color)	4286428408 (0xFF7DB4F8)
YUV	171.3070, 37.8096, -40.6112
Hunter-Lab	66.1663, -3.2364, -38.8410

Details

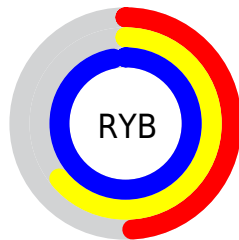
The Yxy color **43.7798, 0.2311, 0.2425** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5758, 0.4134, 0.4006**, and the grayscale version is **40.7182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2782, 0.2694, 0.3081**, and **20.3237, 0.2102, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **36.8770, 0.2153, 0.2211**, and if you desaturate by 10%, it is **51.6992, 0.2478, 0.2630**.

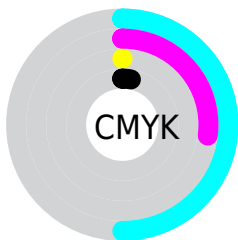
Distribution



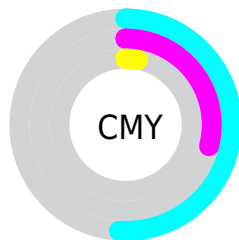
- Red (49%)
- Green (71%)
- Blue (97%)



- Red (49%)
- Yellow (64%)
- Blue (97%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (3%)



- Cyan (51%)
- Magenta (29%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7798, 0.2311, 0.2425 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 43.7798, 0.2311, 0.2425 by changing the saturation by 10% instead.

■ 43.7798, 0.2311,
0.2425

■ 43.7798, 0.2311,
0.2425

■ 361.8089, 0.2708,
0.2846

■ 30.4974, 0.2217,
0.2326

■ 80.8863, 0.2452,
0.2574

■ 20.2165, 0.2100,
0.2202

■ 105.4792, 0.2506,
0.2631

■ 12.5525, 0.1951,
0.2044

■ 134.6111, 0.2552,
0.2680

■ 7.1211, 0.1756,
0.1838

■ 168.6664, 0.2592,
0.2722

■ 3.5380, 0.1494,
0.1562

■ 208.0294, 0.2627,
0.2759

■ 1.4186, 0.1137,
0.1187

■ 253.0845, 0.2657,

■ 0.2304, 0.0436,

0.2791

0.0442

304.2163, 0.2684,
0.2820

0.0000, 0.0000,
0.0000

43.7798, 0.2311,
0.2425

43.7798, 0.2311,
0.2425

36.8770, 0.2153,
0.2211

51.6992, 0.2478,
0.2630

30.9348, 0.2010,
0.1993

60.6773, 0.2647,
0.2821

25.8980, 0.1887,
0.1777

70.7591, 0.2815,
0.2996

21.7010, 0.1790,
0.1572

81.9854, 0.2978,
0.3154

18.2497, 0.1718,
0.1382

94.3946, 0.3134,
0.3296

■ 18.1157, 0.1715,
0.1374

■ 99.5555, 0.3168,
0.3357

Harmonies

Analogous

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



43.7798, 0.2130, 0.2622



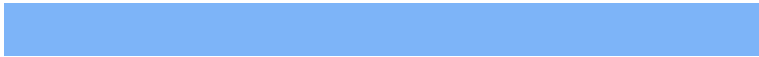
43.7798, 0.2311, 0.2425



43.7798, 0.2703, 0.2440

Triad

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



43.7798, 0.2311, 0.2425



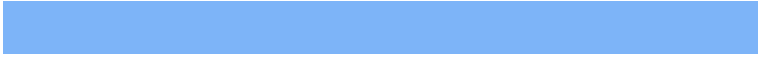
43.7798, 0.4174, 0.3399



43.7798, 0.2936, 0.4099

Complementary

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



43.7798, 0.2311, 0.2425



59.5758, 0.4134, 0.4006

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.



43.7798, 0.3486, 0.4311



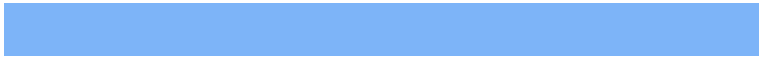
43.7798, 0.2311, 0.2425



43.7798, 0.4227, 0.3831

Square

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



43.7798, 0.2311, 0.2425



43.7798, 0.3802, 0.2977



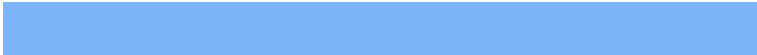
43.7798, 0.3963, 0.4181



43.7798, 0.2463, 0.3596

Rectangle

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



43.7798, 0.2311, 0.2425



43.7798, 0.3056, 0.2554



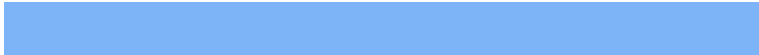
43.7798, 0.3963, 0.4181



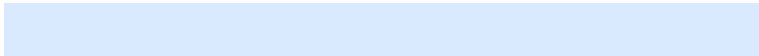
43.7798, 0.3118, 0.4209

Sweetspot

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



43.7814, 0.2311, 0.2425



80.6946, 0.2890, 0.3070



75.3144, 0.2731, 0.3985



16.7399, 0.2856, 0.3036



0.0000, 0.0000, 0.0000



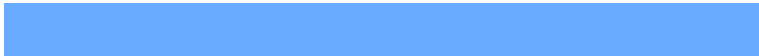
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7814, 0.2311, 0.2425



39.6314, 0.2160, 0.2222



26.2923, 0.2214, 0.1729



17.9207, 0.2979, 0.3155



10.0591, 0.1723, 0.1403



1.1397, 0.1787, 0.1632

Inverse Universe

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



37.9232, 0.3881, 0.2712



34.2432, 0.4109, 0.2621



87.4447, 0.3812, 0.4515



17.3542, 0.3223, 0.3184



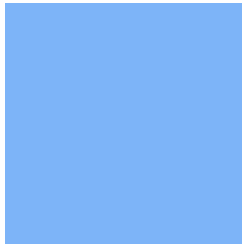
11.4264, 0.5186, 0.2631



1.0793, 0.4891, 0.2468

Previews

White Background



This preview shows how the Yxy color 43.7798, 0.2311, 0.2425 looks on a white background.

Color Contrast Check

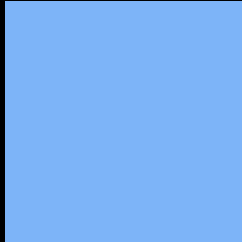
Large Text (above 18pt) WCAG AA × Fail

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 43.7798, 0.2311, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

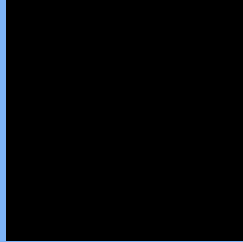
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

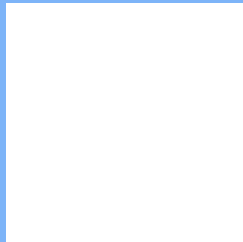
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7798, 0.2311, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 43.7798, 0.2311, 0.2425.



This preview shows how white text looks on a background with the Yxy color 43.7798, 0.2311, 0.2425.

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

43.7798, 0.2311, 0.2425

Protanopia

43.7117, 0.2499, 0.2436

Deuteranopia

43.5012, 0.2428, 0.2367



Tritanopia

43.7056, 0.2481, 0.3060

Trichromacy



Original Color

43.7798, 0.2311, 0.2425

Protanomaly

43.5725, 0.2423, 0.2426

Deuteranomaly

43.4657, 0.2379, 0.2380

Tritanomaly

43.5782, 0.2414, 0.2808

Monochromacy



Original Color

43.7798, 0.2311, 0.2425

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2656, 0.2770, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7798, 0.2311, 0.2425 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(125, 180, 248)` looks like.

```
.text, #text, p{  
    color:rgb(125, 180, 248)  
}
```

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(125, 180, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 180, 248) }
```

Border

The CSS property to change the border of an element to Yxy 43.7798, 0.2311, 0.2425 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(125, 180, 248) }
```

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

```
.border{ border-color:rgb(125, 180, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 180, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 180, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 180, 248);  
box-shadow:4px 4px 4px 4px rgb(125, 180,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7798, 0.2311, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 180, 248) }
```

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

```
.background{ background-color: rgb(125,  
180, 248) }
```

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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