

Converting Colors

$Y_{xy}(45.4391, 0.2238, 0.2310)$

Have a look what the booklet for
Yxy(45.4391, 0.2238, 0.2310)
contains.

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Color

Yxy(44.8135, 0.2269, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	7AB6FF
RGB	122, 182, 255
RGB Percent	48%, 71%, 100%
CMY	0.5219, 0.2862, 0.0000
CMYK	0.52, 0.29, 0.00, 0.00
HSL	213°, 100%, 74%
HSV	213°, 52%, 100%
XYZ	42.7954, 44.8135, 101.0001
YIQ	172.3820, -59.1930, 9.9830

Conversions

Conversions Part 2

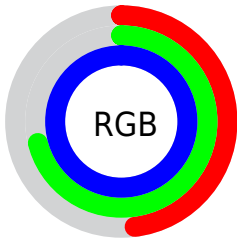
Format	Color
RYB	122, 163, 255
Decimal	8042239
CIELab	72.77, 0.60, -42.00
CIElCh	73, 42.007, 270.822
Yxy	44.8135, 0.2269, 0.2376
Android (android.graphics.Color)	4286232319 (0xFF7AB6FF)
YUV	172.3820, 40.7307, -44.1850
Hunter-Lab	66.9429, -3.0382, -42.5938

Details

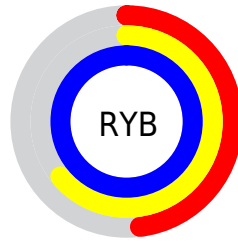
The Yxy color **44.8135, 0.2269, 0.2376** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6524, 0.4204, 0.4035**, and the grayscale version is **41.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1928, 0.2686, 0.3103**, and **20.7384, 0.2052, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **37.7471, 0.2115, 0.2162**, and if you desaturate by 10%, it is **52.9434, 0.2434, 0.2582**.

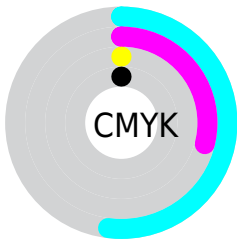
Distribution



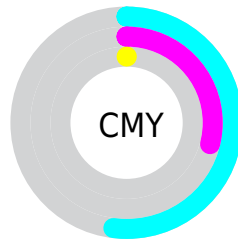
- Red (48%)
- Green (71%)
- Blue (100%)



- Red (48%)
- Yellow (64%)
- Blue (100%)



- Cyan (52%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8135, 0.2269, 0.2376 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 44.8135, 0.2269, 0.2376 by changing the saturation by 10% instead.

■ 44.8135, 0.2269,
0.2376

■ 44.8135, 0.2269,
0.2376

366.0177, 0.2684,
0.2817

■ 31.3106, 0.2172,
0.2273

■ 82.4405, 0.2415,
0.2531

■ 20.8354, 0.2052,
0.2146

■ 107.3333, 0.2471,
0.2591

■ 13.0038, 0.1900,
0.1985

■ 136.7915, 0.2520,
0.2642

■ 7.4311, 0.1703,
0.1776

171.1996, 0.2561,
0.2687

■ 3.7332, 0.1442,
0.1501

210.9418, 0.2598,
0.2725

■ 1.5254, 0.1093,
0.1133

256.4027, 0.2630,

■ 0.3065, 0.0493,

0.2759

0.0494

307.9665, 0.2658,
0.2790

0.0000, 0.0000,
0.0000

44.8135, 0.2269,
0.2376

44.8135, 0.2269,
0.2376

37.7471, 0.2115,
0.2162

52.9434, 0.2434,
0.2582

31.6835, 0.1977,
0.1945

62.1828, 0.2603,
0.2776

26.5618, 0.1861,
0.1732

72.5803, 0.2772,
0.2954

22.3092, 0.1772,
0.1531

84.1799, 0.2936,
0.3116

19.5151, 0.1718,
0.1386

97.0229, 0.3094,
0.3261

99.9999, 0.3127,
0.3290

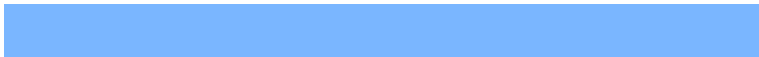
Harmonies

Analogous

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



44.8135, 0.2077, 0.2577



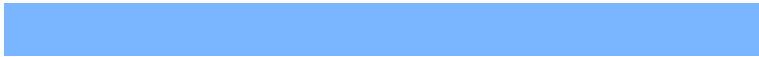
44.8135, 0.2269, 0.2376



44.8135, 0.2683, 0.2395

Triad

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



44.8135, 0.2269, 0.2376



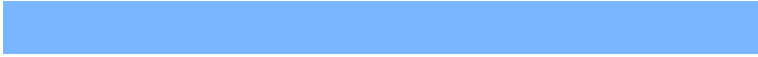
44.8135, 0.4241, 0.3405



44.8135, 0.2915, 0.4149

Complementary

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



44.8135, 0.2269, 0.2376



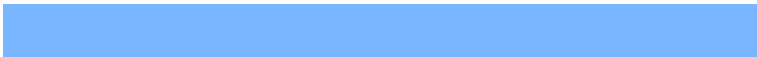
61.6524, 0.4204, 0.4035

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.



44.8135, 0.3496, 0.4376



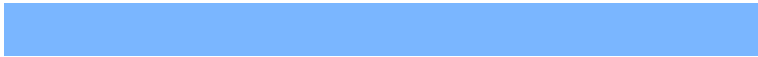
44.8135, 0.2269, 0.2376



44.8135, 0.4291, 0.3861

Square

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



44.8135, 0.2269, 0.2376



44.8135, 0.3849, 0.2963



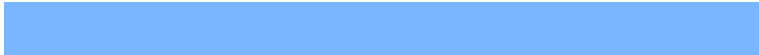
44.8135, 0.4005, 0.4234



44.8135, 0.2419, 0.3607

Rectangle

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



44.8135, 0.2269, 0.2376



44.8135, 0.3056, 0.2517



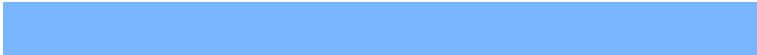
44.8135, 0.4005, 0.4234



44.8135, 0.3107, 0.4268

Sweetspot

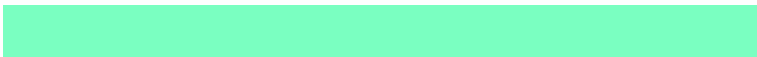
The Sweet Spot groups the original color and five complimentary colors.



44.8151, 0.2269, 0.2376



79.6113, 0.2874, 0.3056



79.4972, 0.2727, 0.4060



16.5282, 0.2840, 0.3023



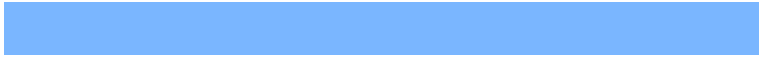
0.0000, 0.0000, 0.0000



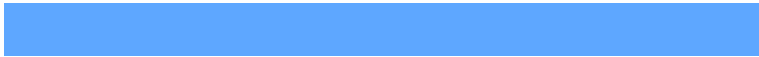
21.4041, 0.3127, 0.3290

Same Dimension

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



44.8151, 0.2269, 0.2376



37.2166, 0.2103, 0.2144



25.5843, 0.2144, 0.1629



18.7286, 0.2979, 0.3156



10.4860, 0.1727, 0.1416



1.2357, 0.1787, 0.1633

Inverse Universe

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



38.5390, 0.3936, 0.2678



32.1139, 0.4202, 0.2583



93.3507, 0.3858, 0.4565



18.1235, 0.3223, 0.3183



11.7865, 0.5170, 0.2622



1.1693, 0.4890, 0.2467

Previews

White Background



This preview shows how the Yxy color 44.8135, 0.2269, 0.2376 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 44.8135, 0.2269, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

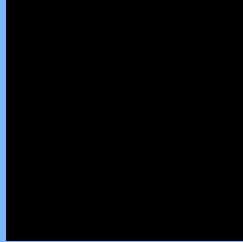
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

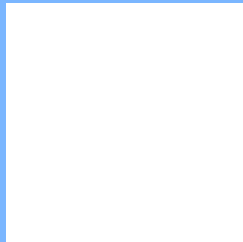
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8135, 0.2269, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 44.8135, 0.2269, 0.2376.



This preview shows how white text looks on a background with the Yxy color 44.8135, 0.2269, 0.2376.

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

44.8135, 0.2269, 0.2376

Protanopia

44.5306, 0.2462, 0.2378

Deuteranopia

44.5666, 0.2395, 0.2331



Tritanopia

44.7699, 0.2442, 0.3061

Trichromacy



Original Color

44.8135, 0.2269, 0.2376

Protanomaly

44.7087, 0.2385, 0.2380

Deuteranomaly

44.5498, 0.2348, 0.2344

Tritanomaly

44.7278, 0.2376, 0.2798

Monochromacy



Original Color

44.8135, 0.2269, 0.2376

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.1850, 0.2751, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8135, 0.2269, 0.2376 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(122, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 182, 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(122, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8135, 0.2269, 0.2376 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(122, 182, 255) }
```

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

```
.border{ border-color:rgb(122, 182, 255) }
```

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

Here you see how a box with a 4 pixel rgb(122, 182, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8135, 0.2269, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 182, 255) }
```

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

```
.background{ background-color: rgb(122,  
182, 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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