

Converting Colors

$Y_{xy}(45.0690, 0.2230, 0.2396)$

Have a look what the booklet for
Yxy(45.0690, 0.2230, 0.2396)
contains.

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Color

Yxy(44.9457, 0.2229, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	70B8FF
RGB	112, 184, 255
RGB Percent	44%, 72%, 100%
CMY	0.5603, 0.2785, 0.0000
CMYK	0.56, 0.28, 0.00, 0.00
HSL	210°, 100%, 72%
HSV	210°, 56%, 100%
XYZ	41.8829, 44.9457, 101.0715
YIQ	170.5660, -65.7030, 6.8170

Conversions

Conversions Part 2

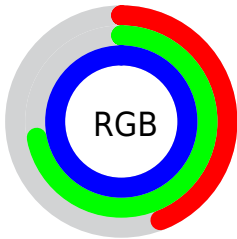
Format	Color
RYB	112, 160, 255
Decimal	7387391
CIELab	72.86, -2.52, -41.90
CIELCh	73, 41.973, 266.563
Yxy	44.9457, 0.2229, 0.2392
Android (android.graphics.Color)	4285577471 (0xFF70B8FF)
YUV	170.5660, 41.6260, -51.3624
Hunter-Lab	67.0416, -5.8083, -42.4562

Details

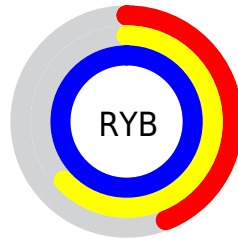
The Yxy color **44.9457, 0.2229, 0.2392** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.3544, 0.4351, 0.4011**, and the grayscale version is **40.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3108, 0.2641, 0.3123**, and **20.8453, 0.2002, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **38.4714, 0.2088, 0.2197**, and if you desaturate by 10%, it is **52.3687, 0.2383, 0.2581**.

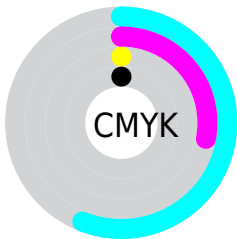
Distribution



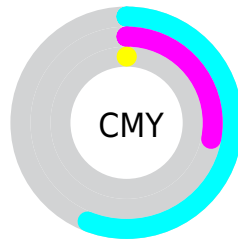
- Red (44%)
- Green (72%)
- Blue (100%)



- Red (44%)
- Yellow (63%)
- Blue (100%)



- Cyan (56%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9457, 0.2229, 0.2392 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 44.9457, 0.2229, 0.2392 by changing the saturation by 10% instead.

■ 44.9457, 0.2229,
0.2392

■ 44.9457, 0.2229,
0.2392

366.5536, 0.2661,
0.2827

■ 31.4147, 0.2128,
0.2290

■ 82.6389, 0.2381,
0.2546

■ 20.9148, 0.2004,
0.2163

■ 107.5699, 0.2439,
0.2605

■ 13.0617, 0.1847,
0.2003

■ 137.0696, 0.2490,
0.2655

■ 7.4711, 0.1645,
0.1795

171.5225, 0.2533,
0.2699

■ 3.7584, 0.1380,
0.1519

211.3130, 0.2571,
0.2737

■ 1.5394, 0.1027,
0.1149

256.8254, 0.2605,

■ 0.3162, 0.0388,

0.2771

0.0513

308.4441, 0.2635,
0.2801

■ 0.0000, 0.0000,
0.0000

■ 44.9457, 0.2229,
0.2392

■ 44.9457, 0.2229,
0.2392

■ 38.4714, 0.2088,
0.2197

■ 52.3687, 0.2383,
0.2581

■ 32.8874, 0.1965,
0.2000

■ 60.7836, 0.2546,
0.2760

■ 28.1345, 0.1865,
0.1807

■ 70.2364, 0.2711,
0.2926

■ 24.1394, 0.1790,
0.1624

■ 80.7682, 0.2875,
0.3078

■ 22.7252, 0.1765,
0.1555

■ 92.4174, 0.3034,
0.3215

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



44.9457, 0.2071, 0.2626



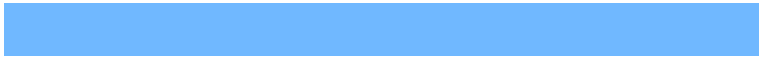
44.9457, 0.2229, 0.2392



44.9457, 0.2613, 0.2382

Triad

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



44.9457, 0.2229, 0.2392



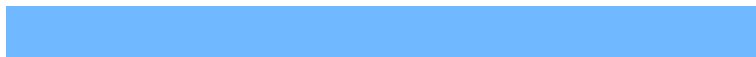
44.9457, 0.4203, 0.3340



44.9457, 0.2996, 0.4203

Complementary

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



44.9457, 0.2229, 0.2392



56.3544, 0.4351, 0.4011

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.



44.9457, 0.3576, 0.4375



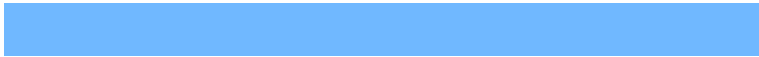
44.9457, 0.2229, 0.2392



44.9457, 0.4304, 0.3798

Square

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



44.9457, 0.2229, 0.2392



44.9457, 0.3771, 0.2906



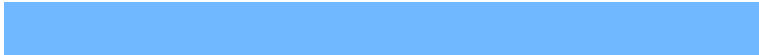
44.9457, 0.4061, 0.4190



44.9457, 0.2480, 0.3693

Rectangle

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



44.9457, 0.2229, 0.2392



44.9457, 0.2972, 0.2486



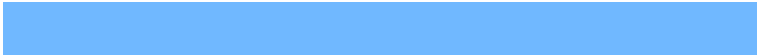
44.9457, 0.4061, 0.4190



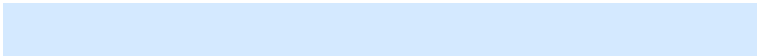
44.9457, 0.3190, 0.4304

Sweetspot

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



44.9473, 0.2229, 0.2392



79.7003, 0.2859, 0.3064



78.3139, 0.2741, 0.4225



16.5919, 0.2826, 0.3034



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.



44.9473, 0.2229, 0.2392



37.8925, 0.2075, 0.2177



22.8214, 0.2041, 0.1511



18.8877, 0.2979, 0.3169



12.1738, 0.1773, 0.1584



1.4038, 0.1830, 0.1789

Inverse Universe

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



36.3349, 0.3938, 0.2569



30.5294, 0.4187, 0.2473



92.4395, 0.3946, 0.4607



18.1395, 0.3215, 0.3171



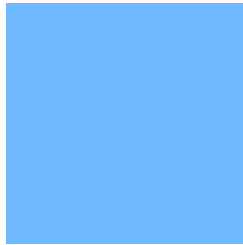
11.9569, 0.4952, 0.2501



1.1863, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 44.9457, 0.2229, 0.2392 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 44.9457, 0.2229, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

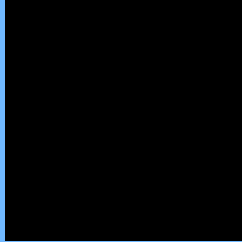
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

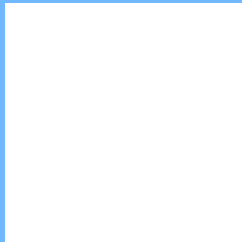
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9457, 0.2229, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 44.9457, 0.2229, 0.2392.



This preview shows how white text looks on a background with the Yxy color 44.9457, 0.2229, 0.2392.

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

44.9457, 0.2229, 0.2392

Protanopia

44.5052, 0.2479, 0.2400

Deuteranopia

44.5666, 0.2395, 0.2331



Tritanopia

45.0737, 0.2391, 0.3073

Trichromacy



Original Color

44.9457, 0.2229, 0.2392

Protanomaly

44.3813, 0.2373, 0.2386

Deuteranomaly

44.6111, 0.2328, 0.2352

Tritanomaly

45.0299, 0.2330, 0.2808

Monochromacy



Original Color

44.9457, 0.2229, 0.2392

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7990, 0.2721, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9457, 0.2229, 0.2392 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(112, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.9457, 0.2229, 0.2392 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(112, 184, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9457, 0.2229, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 184, 255) }
```

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

```
.background{ background-color: rgb(112,  
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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