

Converting Colors

$Yxy(46.0644, 0.2220, 0.2432)$

Have a look what the booklet for
Yxy(46.0644, 0.2220, 0.2432)
contains.

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Color

Yxy(45.9488, 0.2220, 0.2428)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 6CBBFF |
| RGB | 108, 187, 255 |
| RGB Percent | 42%, 73%, 100% |
| CMY | 0.5762, 0.2667, 0.0000 |
| CMYK | 0.58, 0.27, 0.00, 0.00 |
| HSL | 208°, 100%, 71% |
| HSV | 208°, 58%, 100% |
| XYZ | 42.0125, 45.9488, 101.2842 |
| YIQ | 171.1310, -68.9120, 4.4000 |

Conversions

Conversions Part 2

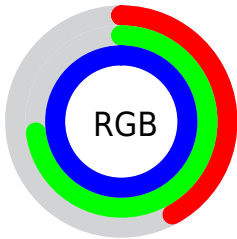
| Format | Color |
|-------------------------------------|---|
| RYB | 108, 159, 255 |
| Decimal | 7126015 |
| CIELab | 73.51, -4.95, -40.90 |
| CIELCh | 74, 41.202, 263.095 |
| Yxy | 45.9488, 0.2220, 0.2428 |
| Android (android.graphics.Color) | 4285316095 (0xFF6CBBFF) |
| YUV | 171.1310, 41.3474, -55.3659 |
| Hunter-Lab | 67.7855, -7.9930, -41.1404 |

Details

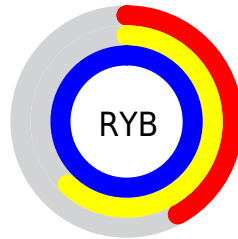
The Yxy color **45.9488, 0.2220, 0.2428** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.4205, 0.4430, 0.3978**, and the grayscale version is **40.6143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7562, 0.2630, 0.3156**, and **21.5025, 0.1994, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **39.7726, 0.2087, 0.2246**, and if you desaturate by 10%, it is **53.0038, 0.2368, 0.2605**.

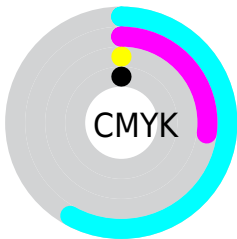
Distribution



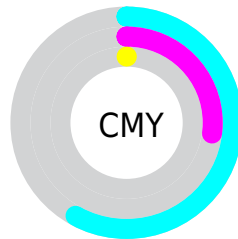
- Red (42%)
- Green (73%)
- Blue (100%)



- Red (42%)
- Yellow (62%)
- Blue (100%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9488, 0.2220, 0.2428 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 45.9488, 0.2220, 0.2428 by changing the saturation by 10% instead.

■ 45.9488, 0.2220,
0.2428

■ 45.9488, 0.2220,
0.2428

370.6028, 0.2654,
0.2847

■ 32.2054, 0.2119,
0.2329

■ 84.1424, 0.2372,
0.2576

■ 21.5185, 0.1995,
0.2207

■ 109.3613, 0.2431,
0.2633

■ 13.5035, 0.1839,
0.2051

■ 139.1743, 0.2482,
0.2682

■ 7.7762, 0.1638,
0.1849

173.9657, 0.2525,
0.2724

■ 3.9521, 0.1374,
0.1579

214.1198, 0.2564,
0.2761

■ 1.6468, 0.1025,
0.1214

260.0211, 0.2598,

■ 0.3888, 0.0396,

0.2793

0.0620

312.0539, 0.2628,
0.2821

0.0000, 0.0000,
0.0000

45.9488, 0.2220,
0.2428

45.9488, 0.2220,
0.2428

39.7726, 0.2087,
0.2246

53.0038, 0.2368,
0.2605

34.4237, 0.1972,
0.2063

60.9845, 0.2525,
0.2772

29.8421, 0.1880,
0.1884

69.9332, 0.2687,
0.2928

25.9520, 0.1812,
0.1712

79.8893, 0.2849,
0.3071

25.1055, 0.1798,
0.1672

90.8896, 0.3009,
0.3200

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



45.9488, 0.2092, 0.2685



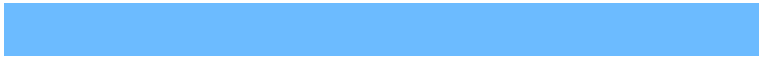
45.9488, 0.2220, 0.2428



45.9488, 0.2572, 0.2393

Triad

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



45.9488, 0.2220, 0.2428



45.9488, 0.4141, 0.3289



45.9488, 0.3066, 0.4216

Complementary

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



45.9488, 0.2220, 0.2428



53.4205, 0.4430, 0.3978

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.



45.9488, 0.3629, 0.4341



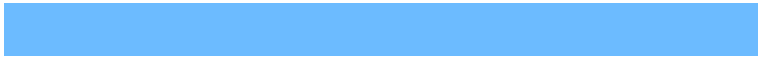
45.9488, 0.2220, 0.2428



45.9488, 0.4281, 0.3738

Square

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



45.9488, 0.2220, 0.2428



45.9488, 0.3692, 0.2871



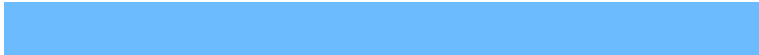
45.9488, 0.4081, 0.4133



45.9488, 0.2547, 0.3750

Rectangle

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



45.9488, 0.2220, 0.2428



45.9488, 0.2912, 0.2480



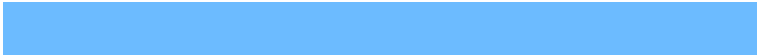
45.9488, 0.4081, 0.4133



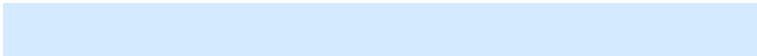
45.9488, 0.3256, 0.4300

Sweetspot

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



45.9487, 0.2220, 0.2428



80.5454, 0.2860, 0.3080



77.7748, 0.2757, 0.4323



16.7914, 0.2827, 0.3052



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.



45.9487, 0.2220, 0.2428



38.9891, 0.2070, 0.2221



22.7657, 0.2020, 0.1512



18.9941, 0.2979, 0.3177



13.4204, 0.1806, 0.1700



1.5254, 0.1860, 0.1895

Inverse Universe

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



35.5847, 0.3911, 0.2504



29.8983, 0.4151, 0.2403



89.2655, 0.3990, 0.4601



18.1503, 0.3210, 0.3163



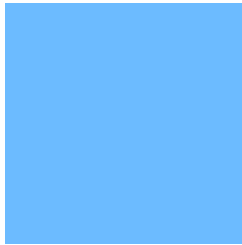
12.0828, 0.4807, 0.2422



1.1985, 0.4574, 0.2293

Previews

White Background



This preview shows how the Yxy color 45.9488, 0.2220, 0.2428 looks on a white background.

Color Contrast Check

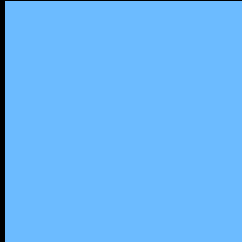
Large Text (above 18pt) WCAG AA × Fail

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 45.9488, 0.2220, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

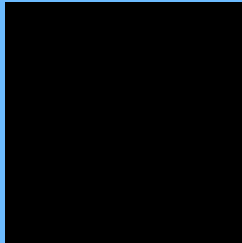
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

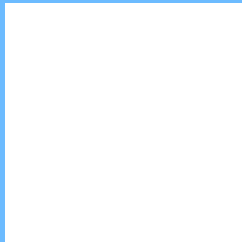
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9488, 0.2220, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 45.9488, 0.2220, 0.2428.

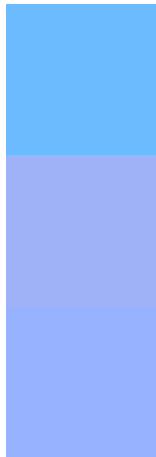


This preview shows how white text looks on a background with the Yxy color 45.9488, 0.2220, 0.2428.

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

45.9488, 0.2220, 0.2428

Protanopia

45.5306, 0.2508, 0.2439

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

45.9070, 0.2366, 0.3060

Trichromacy



Original Color

45.9488, 0.2220, 0.2428

Protanomaly

45.5253, 0.2385, 0.2435

Deuteranomaly

45.4186, 0.2333, 0.2378

Tritanomaly

45.7867, 0.2310, 0.2810

Monochromacy



Original Color

45.9488, 0.2220, 0.2428

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.0044, 0.2707, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9488, 0.2220, 0.2428 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(108, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 187, 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(108, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.9488, 0.2220, 0.2428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

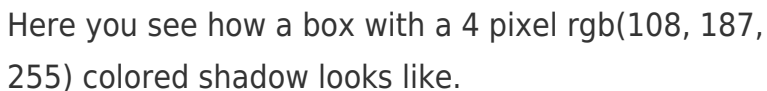
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 187, 255) }
```

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

```
.border{ border-color:rgb(108, 187, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9488, 0.2220, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 187, 255) }
```

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

```
.background{ background-color: rgb(108,  
187, 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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