

Converting Colors

$Y_{xy}(52.7604, 0.1947, 0.1742)$

Have a look what the booklet for
Yxy(52.7604, 0.1947, 0.1742)
contains.

Yxy(45.8864, 0.2216, 0.2428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.8864, 0.2216, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	6BBBFF
RGB	107, 187, 255
RGB Percent	42%, 73%, 100%
CMY	0.5803, 0.2666, 0.0002
CMYK	0.58, 0.27, 0.00, 0.00
HSL	208°, 100%, 71%
HSV	208°, 58%, 100%
XYZ	41.8798, 45.8864, 101.2222
YIQ	170.8320, -69.5080, 4.1880

Conversions

Conversions Part 2

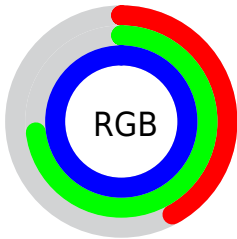
Format	Color
RYB	107, 159, 255
Decimal	7060479
CIELab	73.47, -5.18, -40.93
CIELCh	73, 41.260, 262.788
Yxy	45.8864, 0.2216, 0.2428
Android (android.graphics.Color)	4285250559 (0xFF6BBBFF)
YUV	170.8320, 41.4948, -55.9807
Hunter-Lab	67.7395, -8.1868, -41.1786

Details

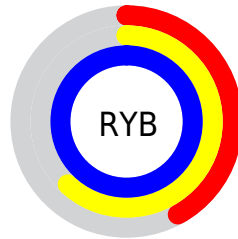
The Yxy color **45.8864, 0.2216, 0.2428** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.9655, 0.4445, 0.3977**, and the grayscale version is **40.4533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6460, 0.2625, 0.3156**, and **21.4675, 0.1990, 0.2204** is the 20% darker color. If you saturate the color by 10%, you get **39.7650, 0.2084, 0.2247**, and if you desaturate by 10%, it is **52.8820, 0.2363, 0.2603**.

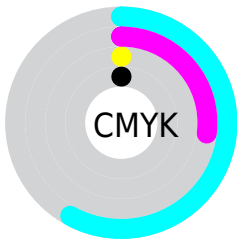
Distribution



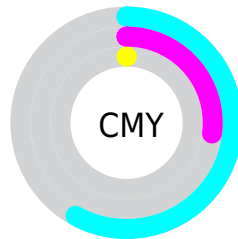
- Red (42%)
- Green (73%)
- Blue (100%)



- 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 45.8864, 0.2216, 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 45.8864, 0.2216, 0.2428 by changing the saturation by 10% instead.

■ 45.8864, 0.2216,
0.2428

■ 45.8864, 0.2216,
0.2428

■ 370.3518, 0.2652,
0.2847

■ 32.1562, 0.2115,
0.2329

■ 84.0490, 0.2369,
0.2576

■ 21.4808, 0.1990,
0.2207

■ 109.2501, 0.2428,
0.2633

■ 13.4759, 0.1833,
0.2051

■ 139.0437, 0.2479,
0.2682

■ 7.7571, 0.1631,
0.1848

■ 173.8141, 0.2523,
0.2724

■ 3.9399, 0.1367,
0.1578

■ 213.9457, 0.2561,
0.2761

■ 1.6400, 0.1017,
0.1212

■ 259.8229, 0.2595,

■ 0.3843, 0.0382,

0.2793

0.0615

311.8301, 0.2625,
0.2822

0.0000, 0.0000,
0.0000

45.8864, 0.2216,
0.2428

45.8864, 0.2216,
0.2428

39.7650, 0.2084,
0.2247

52.8820, 0.2363,
0.2603

34.4612, 0.1971,
0.2066

60.7935, 0.2520,
0.2770

29.9165, 0.1880,
0.1888

69.6648, 0.2681,
0.2925

26.0531, 0.1813,
0.1717

79.5353, 0.2843,
0.3067

25.3500, 0.1801,
0.1684

90.4415, 0.3003,
0.3196

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



45.8864, 0.2090, 0.2687



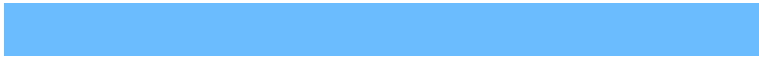
45.8864, 0.2216, 0.2428



45.8864, 0.2567, 0.2391

Triad

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



45.8864, 0.2216, 0.2428



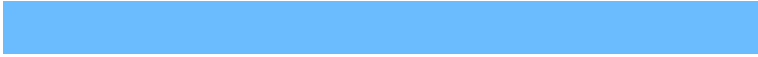
45.8864, 0.4140, 0.3284



45.8864, 0.3072, 0.4221

Complementary

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



45.8864, 0.2216, 0.2428



52.9655, 0.4445, 0.3977

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.



45.8864, 0.3635, 0.4343



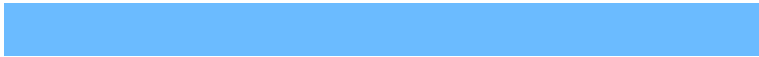
45.8864, 0.2216, 0.2428



45.8864, 0.4284, 0.3734

Square

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



45.8864, 0.2216, 0.2428



45.8864, 0.3687, 0.2866



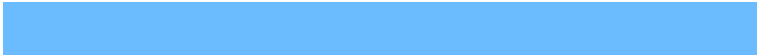
45.8864, 0.4086, 0.4131



45.8864, 0.2550, 0.3757

Rectangle

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



45.8864, 0.2216, 0.2428



45.8864, 0.2906, 0.2477



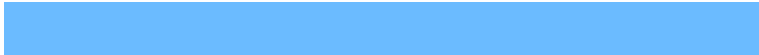
45.8864, 0.4086, 0.4131



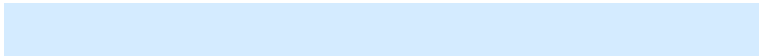
45.8864, 0.3262, 0.4304

Sweetspot

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



45.8880, 0.2216, 0.2428



80.6318, 0.2860, 0.3081



77.6616, 0.2756, 0.4331



16.8118, 0.2827, 0.3054



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.



45.8880, 0.2216, 0.2428



38.6669, 0.2060, 0.2211



22.4746, 0.2012, 0.1499



19.0049, 0.2979, 0.3178



13.5530, 0.1809, 0.1712



1.5383, 0.1863, 0.1905

Inverse Universe

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



35.3609, 0.3913, 0.2495



29.5155, 0.4164, 0.2391



89.1805, 0.3995, 0.4608



18.1514, 0.3209, 0.3162



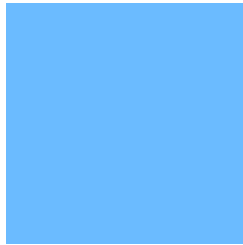
12.0961, 0.4792, 0.2413



1.1998, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 45.8864, 0.2216, 0.2428 looks on a white background.

Color Contrast Check

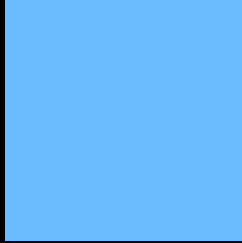
Large Text (above 18pt) WCAG AA × Fail

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 45.8864, 0.2216, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

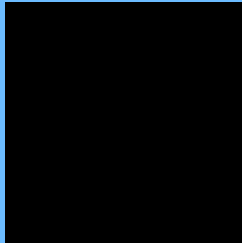
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

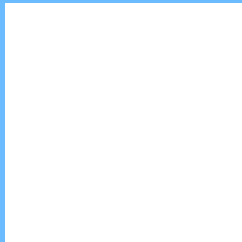
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8864, 0.2216, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 45.8864, 0.2216, 0.2428.



This preview shows how white text looks on a background with the Yxy color 45.8864, 0.2216, 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

45.8864, 0.2216, 0.2428

Protanopia

45.5306, 0.2508, 0.2439

Deuteranopia

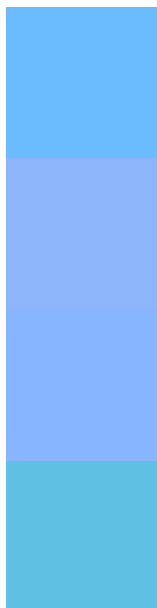
45.6401, 0.2417, 0.2361



Tritanopia

45.8572, 0.2362, 0.3060

Trichromacy



Original Color

45.8864, 0.2216, 0.2428

Protanomaly

45.5253, 0.2385, 0.2435

Deuteranomaly

45.4186, 0.2333, 0.2378

Tritanomaly

45.7321, 0.2306, 0.2809

Monochromacy



Original Color

45.8864, 0.2216, 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 45.8864, 0.2216, 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(107, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8864, 0.2216, 0.2428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

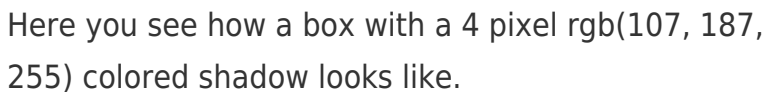
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 187, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8864, 0.2216, 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(107, 187, 255) }
```

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

```
.background{ background-color: rgb(107,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor