

Converting Colors

$Y_{xy}(47.4084, 0.2107, 0.2183)$

Have a look what the booklet for
Yxy(47.4084, 0.2107, 0.2183)
contains.

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Color

Yxy(45.6442, 0.2199, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	67BBFF
RGB	103, 187, 255
RGB Percent	40%, 73%, 100%
CMY	0.5964, 0.2666, 0.0000
CMYK	0.60, 0.27, 0.00, 0.00
HSL	207°, 100%, 70%
HSV	207°, 60%, 100%
XYZ	41.4074, 45.6442, 101.2495
YIQ	169.6360, -71.8920, 3.3400

Conversions

Conversions Part 2

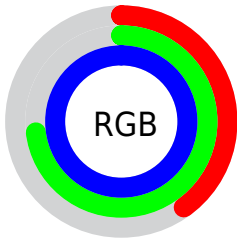
Format	Color
RYB	103, 157, 255
Decimal	6798335
CIELab	73.31, -5.94, -41.22
CIElCh	73, 41.648, 261.806
Yxy	45.6442, 0.2199, 0.2424
Android (android.graphics.Color)	4284988415 (0xFF67BBFF)
YUV	169.6360, 42.0845, -58.4398
Hunter-Lab	67.5605, -8.8293, -41.5626

Details

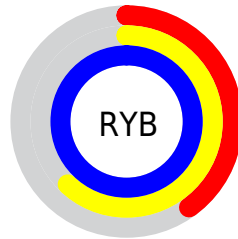
The Yxy color **45.6442, 0.2199, 0.2424** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.3230, 0.4507, 0.3973**, and the grayscale version is **39.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2137, 0.2605, 0.3155**, and **21.3216, 0.1970, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **39.7148, 0.2071, 0.2248**, and if you desaturate by 10%, it is **52.4179, 0.2342, 0.2596**.

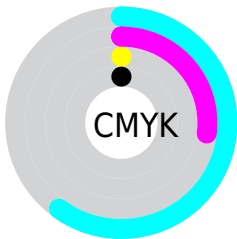
Distribution



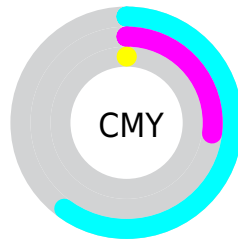
- Red (40%)
- Green (73%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6442, 0.2199, 0.2424 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 45.6442, 0.2199, 0.2424 by changing the saturation by 10% instead.

■ 45.6442, 0.2199,
0.2424

■ 45.6442, 0.2199,
0.2424

■ 369.3764, 0.2643,
0.2846

■ 31.9651, 0.2096,
0.2325

■ 83.6863, 0.2355,
0.2573

■ 21.3349, 0.1970,
0.2201

■ 108.8181, 0.2415,
0.2631

■ 13.3690, 0.1810,
0.2044

■ 138.5362, 0.2466,
0.2680

■ 7.6831, 0.1606,
0.1839

■ 173.2251, 0.2511,
0.2722

■ 3.8929, 0.1338,
0.1567

■ 213.2692, 0.2550,
0.2759

■ 1.6138, 0.0987,
0.1199

■ 259.0529, 0.2585,

■ 0.3669, 0.0329,

0.2791

0.0591

310.9604, 0.2616,
0.2820

0.0000, 0.0000,
0.0000

45.6442, 0.2199,
0.2424

45.6442, 0.2199,
0.2424

39.7148, 0.2071,
0.2248

52.4179, 0.2342,
0.2596

34.5762, 0.1964,
0.2072

60.0810, 0.2496,
0.2759

30.1680, 0.1879,
0.1899

68.6761, 0.2656,
0.2911

26.3996, 0.1815,
0.1733

78.2423, 0.2817,
0.3052

26.2738, 0.1813,
0.1728

88.8161, 0.2977,
0.3179

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.



45.6442, 0.2080, 0.2693



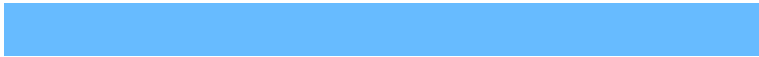
45.6442, 0.2199, 0.2424



45.6442, 0.2546, 0.2380

Triad

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



45.6442, 0.2199, 0.2424



45.6442, 0.4140, 0.3269



45.6442, 0.3089, 0.4243

Complementary

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



45.6442, 0.2199, 0.2424



51.3230, 0.4507, 0.3973

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.



45.6442, 0.3658, 0.4352



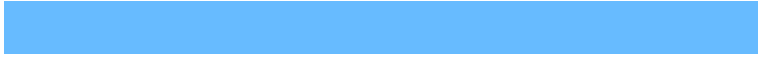
45.6442, 0.2199, 0.2424



45.6442, 0.4297, 0.3723

Square

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



45.6442, 0.2199, 0.2424



45.6442, 0.3675, 0.2850



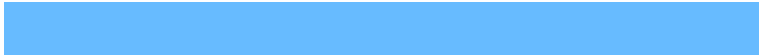
45.6442, 0.4107, 0.4128



45.6442, 0.2559, 0.3782

Rectangle

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



45.6442, 0.2199, 0.2424



45.6442, 0.2885, 0.2463



45.6442, 0.4107, 0.4128



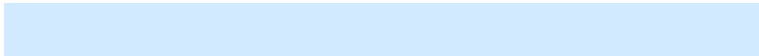
45.6442, 0.3282, 0.4323

Sweetspot

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



45.6447, 0.2199, 0.2424



79.9107, 0.2844, 0.3074



77.2557, 0.2762, 0.4401



16.4761, 0.2797, 0.3035



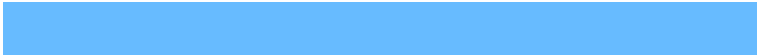
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.6447, 0.2199, 0.2424



38.4351, 0.2044, 0.2206



21.9188, 0.1986, 0.1474



19.0435, 0.2979, 0.3181



14.0314, 0.1821, 0.1755



1.5844, 0.1873, 0.1944

Inverse Universe

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



34.5306, 0.3922, 0.2460



28.8319, 0.4176, 0.2358



87.4579, 0.4028, 0.4617



18.1552, 0.3207, 0.3159



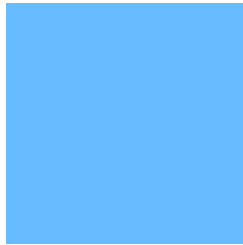
12.1444, 0.4740, 0.2385



1.2045, 0.4517, 0.2262

Previews

White Background



This preview shows how the Yxy color 45.6442, 0.2199, 0.2424 looks on a white background.

Color Contrast Check

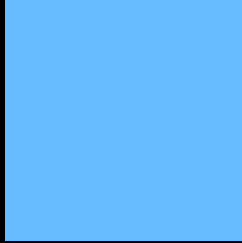
Large Text (above 18pt) WCAG AA × Fail

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 45.6442, 0.2199, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

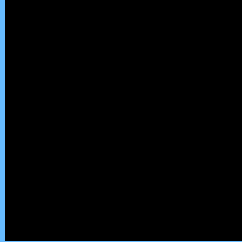
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

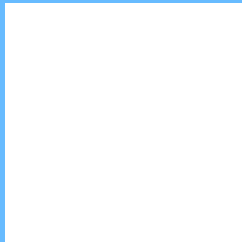
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6442, 0.2199, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 45.6442, 0.2199, 0.2424.



This preview shows how white text looks on a background with the Yxy color 45.6442, 0.2199, 0.2424.

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

45.6442, 0.2199, 0.2424

Protanopia

45.4288, 0.2501, 0.2438

Deuteranopia

45.1483, 0.2409, 0.2347



Tritanopia

45.6182, 0.2342, 0.3059

Trichromacy



Original Color

45.6442, 0.2199, 0.2424

Protanomaly

45.3531, 0.2374, 0.2432

Deuteranomaly

45.2543, 0.2323, 0.2375

Tritanomaly

45.4695, 0.2286, 0.2807

Monochromacy



Original Color

45.6442, 0.2199, 0.2424

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.3787, 0.2698, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6442, 0.2199, 0.2424 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(103, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.6442, 0.2199, 0.2424 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(103, 187, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6442, 0.2199, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 187, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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