

Converting Colors

$Yxy(45.9826, 0.2248, 0.2421)$

Have a look what the booklet for
Yxy(45.9826, 0.2248, 0.2421)
contains.

Yxy(45.9826, 0.2248, 0.2421)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9826, 0.2248, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	73BAFF
RGB	115, 186, 255
RGB Percent	45%, 73%, 100%
CMY	0.5484, 0.2707, 0.0000
CMYK	0.55, 0.27, 0.00, 0.00
HSL	210°, 100%, 73%
HSV	210°, 55%, 100%
XYZ	42.6968, 45.9826, 101.2529
YIQ	172.6370, -64.4650, 6.4070

Conversions

Conversions Part 2

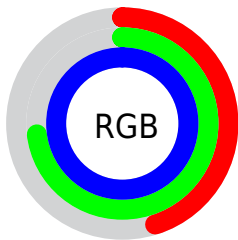
Format	Color
R _Y B	115, 162, 255
Decimal	7584511
CIE Lab	73.53, -2.99, -40.85
CIE LCh	74, 40.955, 265.812
Yxy	45.9826, 0.2248, 0.2421
Android (android.graphics.Color)	4285774591 (0xFF73BAFF)
YUV	172.6370, 40.6050, -50.5476
Hunter-Lab	67.8105, -6.2760, -41.0630

Details

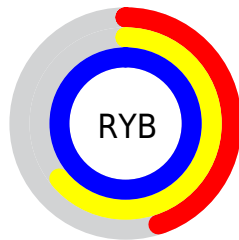
The Yxy color **45.9826, 0.2248, 0.2421** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8579, 0.4321, 0.3993**, and the grayscale version is **41.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8382, 0.2659, 0.3146**, and **21.5052, 0.2028, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **39.4128, 0.2106, 0.2228**, and if you desaturate by 10%, it is **53.4979, 0.2403, 0.2608**.

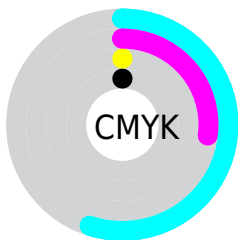
Distribution



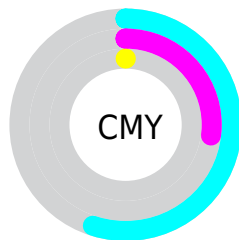
- Red (45%)
- Green (73%)
- Blue (100%)



- Red (45%)
- Yellow (64%)
- Blue (100%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9826, 0.2248, 0.2421 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 45.9826, 0.2248, 0.2421 by changing the saturation by 10% instead.

■ 45.9826, 0.2248,
0.2421

■ 45.9826, 0.2248,
0.2421

■ 370.7387, 0.2670,
0.2842

■ 32.2321, 0.2150,
0.2322

■ 84.1930, 0.2396,
0.2570

■ 21.5388, 0.2029,
0.2200

■ 109.4216, 0.2453,
0.2627

■ 13.5184, 0.1876,
0.2044

■ 139.2451, 0.2502,
0.2676

■ 7.7865, 0.1678,
0.1842

■ 174.0478, 0.2545,
0.2718

■ 3.9586, 0.1418,
0.1574

■ 214.2141, 0.2582,
0.2755

■ 1.6505, 0.1072,
0.1211

■ 260.1284, 0.2615,

■ 0.3913, 0.0473,

0.2787

0.0619

312.1751, 0.2644,
0.2816

0.0000, 0.0000,
0.0000

45.9826, 0.2248,
0.2421

45.9826, 0.2248,
0.2421

39.4128, 0.2106,
0.2228

53.4979, 0.2403,
0.2608

33.7358, 0.1981,
0.2032

62.0059, 0.2566,
0.2784

28.8921, 0.1879,
0.1840

71.5503, 0.2730,
0.2947

24.8107, 0.1801,
0.1657

82.1715, 0.2894,
0.3096

22.9561, 0.1769,
0.1566

93.9077, 0.3053,
0.3230

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.



45.9826, 0.2099, 0.2656



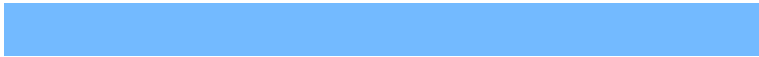
45.9826, 0.2248, 0.2421



45.9826, 0.2617, 0.2405

Triad

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



45.9826, 0.2248, 0.2421



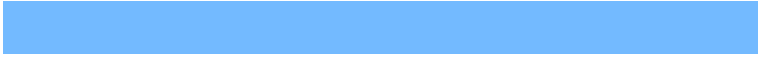
45.9826, 0.4161, 0.3330



45.9826, 0.3016, 0.4180

Complementary

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



45.9826, 0.2248, 0.2421



56.8579, 0.4321, 0.3993

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.



45.9826, 0.3578, 0.4339



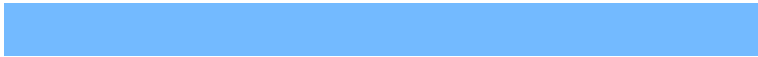
45.9826, 0.2248, 0.2421



45.9826, 0.4270, 0.3776

Square

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



45.9826, 0.2248, 0.2421



45.9826, 0.3738, 0.2908



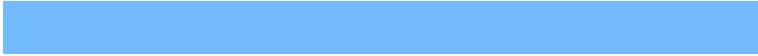
45.9826, 0.4043, 0.4157



45.9826, 0.2511, 0.3695

Rectangle

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



45.9826, 0.2248, 0.2421



45.9826, 0.2964, 0.2503



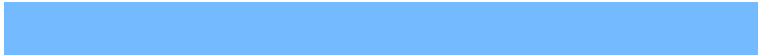
45.9826, 0.4043, 0.4157



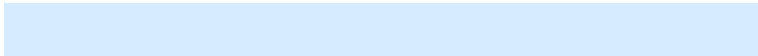
45.9826, 0.3204, 0.4275

Sweetspot

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



45.9827, 0.2248, 0.2421



80.8837, 0.2875, 0.3080



78.5838, 0.2746, 0.4201



16.8309, 0.2842, 0.3050



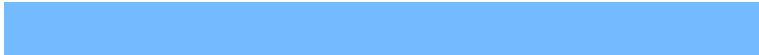
0.0000, 0.0000, 0.0000



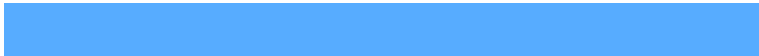
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9827, 0.2248, 0.2421



38.7099, 0.2090, 0.2205



23.7118, 0.2065, 0.1552



18.8983, 0.2979, 0.3170



12.2945, 0.1777, 0.1595



1.4157, 0.1833, 0.1799

Inverse Universe

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



37.1013, 0.3907, 0.2577



31.0037, 0.4155, 0.2474



92.5433, 0.3932, 0.4585



18.1406, 0.3214, 0.3170



11.9691, 0.4937, 0.2493



1.1875, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 45.9826, 0.2248, 0.2421 looks on a white background.

Color Contrast Check

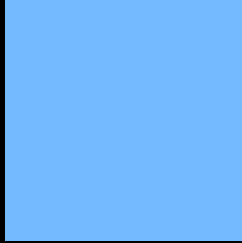
Large Text (above 18pt) WCAG AA × Fail

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 45.9826, 0.2248, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

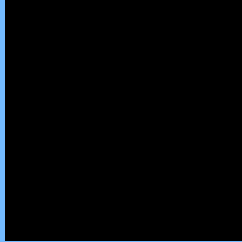
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

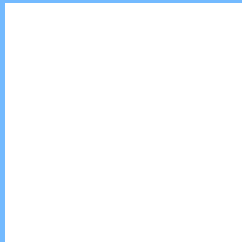
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9826, 0.2248, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 45.9826, 0.2248, 0.2421.



This preview shows how white text looks on a background with the Yxy color 45.9826, 0.2248, 0.2421.

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

45.9826, 0.2248, 0.2421

Protanopia

45.5925, 0.2502, 0.2429

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

45.8334, 0.2402, 0.3061

Trichromacy



Original Color

45.9826, 0.2248, 0.2421

Protanomaly

45.4472, 0.2395, 0.2415

Deuteranomaly

45.6710, 0.2349, 0.2381

Tritanomaly

45.6956, 0.2342, 0.2812

Monochromacy



Original Color

45.9826, 0.2248, 0.2421

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8280, 0.2732, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9826, 0.2248, 0.2421 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(115, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 186, 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(115, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.9826, 0.2248, 0.2421 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(115, 186, 255) }
```

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

```
.border{ border-color:rgb(115, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9826, 0.2248, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 186, 255) }
```

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

```
.background{ background-color: rgb(115,  
186, 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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