

Converting Colors

$Yxy(48.4473, 0.2092, 0.2023)$

Have a look what the booklet for
Yxy(48.4473, 0.2092, 0.2023)
contains.

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Color

Yxy(45.2140, 0.2246, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	74B8FF
RGB	116, 184, 255
RGB Percent	45%, 72%, 100%
CMY	0.5455, 0.2784, 0.0000
CMYK	0.55, 0.28, 0.00, 0.00
HSL	211°, 100%, 73%
HSV	211°, 55%, 100%
XYZ	42.3834, 45.2140, 101.1088
YIQ	171.7620, -63.3190, 7.6650

Conversions

Conversions Part 2

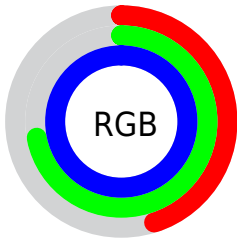
Format	Color
R _Y B	116, 162, 255
Decimal	7649535
CIE Lab	73.03, -1.77, -41.62
CIE LCh	73, 41.655, 267.568
Yxy	45.2140, 0.2246, 0.2396
Android (android.graphics.Color)	4285839615 (0xFF74B8FF)
YUV	171.7620, 41.0363, -48.9033
Hunter-Lab	67.2414, -5.1607, -42.0836

Details

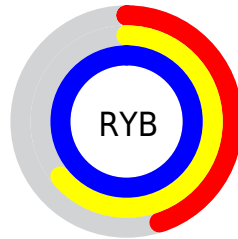
The Yxy color **45.2140, 0.2246, 0.2396** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0078, 0.4298, 0.4013**, and the grayscale version is **40.9307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7703, 0.2662, 0.3124**, and **21.0136, 0.2026, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **38.5422, 0.2101, 0.2196**, and if you desaturate by 10%, it is **52.8644, 0.2404, 0.2589**.

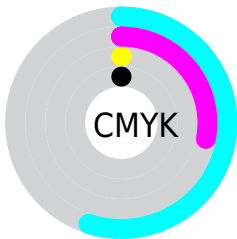
Distribution



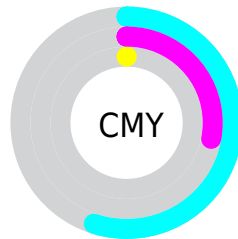
- Red (45%)
- Green (72%)
- Blue (100%)



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



- Cyan (55%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2140, 0.2246, 0.2396 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 45.2140, 0.2246, 0.2396 by changing the saturation by 10% instead.

■ 45.2140, 0.2246,
0.2396

■ 45.2140, 0.2246,
0.2396

■ 367.6396, 0.2670,
0.2829

■ 31.6260, 0.2147,
0.2295

■ 83.0414, 0.2395,
0.2549

■ 21.0760, 0.2025,
0.2169

■ 108.0497, 0.2453,
0.2607

■ 13.1796, 0.1871,
0.2010

■ 137.6335, 0.2502,
0.2658

■ 7.5523, 0.1671,
0.1803

■ 172.1773, 0.2545,
0.2701

■ 3.8098, 0.1409,
0.1530

■ 212.0653, 0.2582,
0.2739

■ 1.5678, 0.1059,
0.1163

■ 257.6822, 0.2615,

■ 0.3357, 0.0443,

0.2773

0.0539

309.4121, 0.2644,
0.2802

0.0000, 0.0000,
0.0000

45.2140, 0.2246,
0.2396

45.2140, 0.2246,
0.2396

38.5422, 0.2101,
0.2196

52.8644, 0.2404,
0.2589

32.7923, 0.1973,
0.1994

61.5390, 0.2568,
0.2772

27.9047, 0.1868,
0.1796

71.2835, 0.2734,
0.2940

23.8071, 0.1788,
0.1608

82.1396, 0.2898,
0.3094

21.8566, 0.1753,
0.1510

94.1462, 0.3057,
0.3232

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.



45.2140, 0.2081, 0.2621



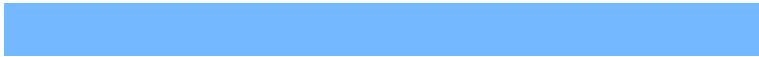
45.2140, 0.2246, 0.2396



45.2140, 0.2634, 0.2392

Triad

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



45.2140, 0.2246, 0.2396



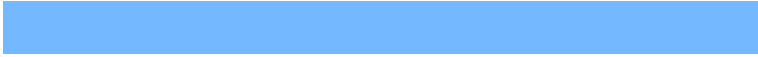
45.2140, 0.4202, 0.3356



45.2140, 0.2979, 0.4181

Complementary

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



45.2140, 0.2246, 0.2396



58.0078, 0.4298, 0.4013

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.



45.2140, 0.3554, 0.4364



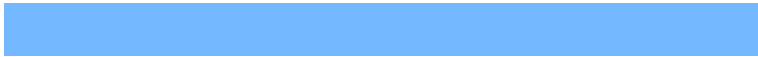
45.2140, 0.2246, 0.2396



45.2140, 0.4290, 0.3809

Square

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



45.2140, 0.2246, 0.2396



45.2140, 0.3783, 0.2923



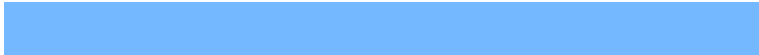
45.2140, 0.4040, 0.4192



45.2140, 0.2472, 0.3669

Rectangle

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



45.2140, 0.2246, 0.2396



45.2140, 0.2994, 0.2500



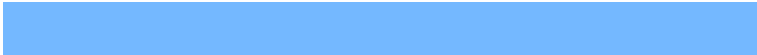
45.2140, 0.4040, 0.4192



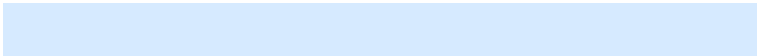
45.2140, 0.3171, 0.4286

Sweetspot

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



45.2150, 0.2246, 0.2396



80.4948, 0.2875, 0.3073



78.7478, 0.2737, 0.4164



16.7383, 0.2841, 0.3042



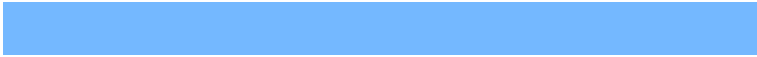
0.0000, 0.0000, 0.0000



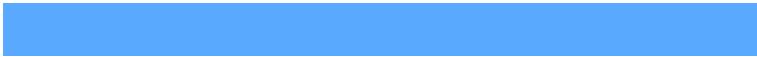
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2150, 0.2246, 0.2396



38.2639, 0.2094, 0.2187



23.3933, 0.2066, 0.1536



18.8466, 0.2979, 0.3166



11.7175, 0.1761, 0.1540



1.3588, 0.1819, 0.1748

Inverse Universe

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



37.1888, 0.3928, 0.2603



31.3647, 0.4169, 0.2508



94.0386, 0.3917, 0.4596



18.1354, 0.3217, 0.3174



11.9109, 0.5008, 0.2532



1.1817, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 45.2140, 0.2246, 0.2396 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 45.2140, 0.2246, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

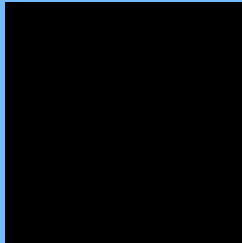
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

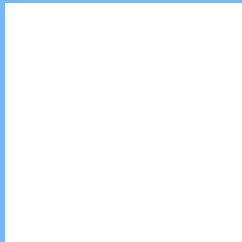
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2140, 0.2246, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 45.2140, 0.2246, 0.2396.



This preview shows how white text looks on a background with the Yxy color 45.2140, 0.2246, 0.2396.

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

45.2140, 0.2246, 0.2396

Protanopia

44.9581, 0.2476, 0.2402

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.3466, 0.2414, 0.3074

Trichromacy



Original Color

45.2140, 0.2246, 0.2396

Protanomaly

44.8680, 0.2381, 0.2400

Deuteranomaly

45.1809, 0.2342, 0.2367

Tritanomaly

45.2664, 0.2349, 0.2810

Monochromacy



Original Color

45.2140, 0.2246, 0.2396

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.9903, 0.2736, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2140, 0.2246, 0.2396 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(116, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2140, 0.2246, 0.2396 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(116, 184, 255) }
```

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

```
.border{ border-color:rgb(116, 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(116, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2140, 0.2246, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 184, 255) }
```

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

```
.background{ background-color: rgb(116,  
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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