

Converting Colors

$Yxy(45.3284, 0.2348, 0.2581)$

Have a look what the booklet for
Yxy(45.3284, 0.2348, 0.2581)
contains.

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Color

Yxy(45.1268, 0.2346, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	7AB9F0
RGB	122, 185, 240
RGB Percent	48%, 73%, 94%
CMY	0.5216, 0.2745, 0.0589
CMYK	0.49, 0.23, 0.00, 0.06
HSL	208°, 80%, 71%
HSV	208°, 49%, 94%
XYZ	41.0976, 45.1268, 88.9573
YIQ	172.4330, -55.2030, 3.7490

Conversions

Conversions Part 2

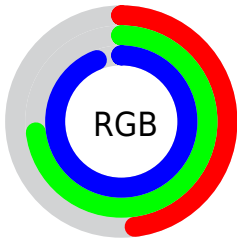
Format	Color
R _Y B	122, 163, 240
Decimal	8042992
CIE Lab	72.98, -5.42, -33.56
CIE LCh	73, 33.999, 260.821
Yxy	45.1268, 0.2346, 0.2576
Android (android.graphics.Color)	4286233072 (0xFF7AB9F0)
YUV	172.4330, 33.3105, -44.2297
Hunter-Lab	67.1765, -8.3551, -31.4902

Details

The Yxy color **45.1268, 0.2346, 0.2576** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.3481, 0.4181, 0.3893**, and the grayscale version is **41.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8339, 0.2684, 0.3136**, and **21.0200, 0.2145, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **39.0929, 0.2200, 0.2398**, and if you desaturate by 10%, it is **51.9642, 0.2502, 0.2746**.

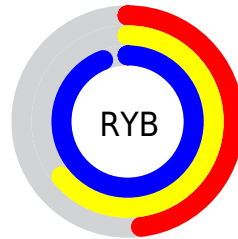
Distribution



Red (48%)

Green (73%)

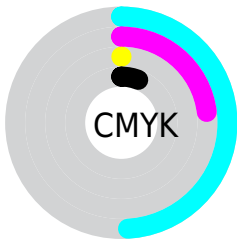
Blue (94%)



Red (48%)

Yellow (64%)

Blue (94%)

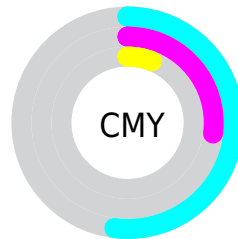


Cyan (49%)

Magenta (23%)

Yellow (0%)

Black (6%)



Cyan (52%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1268, 0.2346, 0.2576 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 45.1268, 0.2346, 0.2576 by changing the saturation by 10% instead.

■ 45.1268, 0.2346,
0.2576

■ 45.1268, 0.2346,
0.2576

■ 367.2869, 0.2725,
0.2928

■ 31.5573, 0.2256,
0.2491

■ 82.9107, 0.2480,
0.2702

■ 21.0236, 0.2144,
0.2384

■ 107.8938, 0.2532,
0.2750

■ 13.1413, 0.2001,
0.2246

■ 137.4503, 0.2576,
0.2791

■ 7.5259, 0.1812,
0.2062

■ 171.9646, 0.2614,
0.2826

■ 3.7931, 0.1557,
0.1808

■ 211.8210, 0.2647,
0.2857

■ 1.5585, 0.1202,
0.1445

■ 257.4039, 0.2676,

■ 0.3294, 0.0404,

0.2884

0.0736

309.0977, 0.2702,
0.2907

0.0000, 0.0000,
0.0000

45.1268, 0.2346,
0.2576

45.1268, 0.2346,
0.2576

39.0929, 0.2200,
0.2398

51.9642, 0.2502,
0.2746

33.8166, 0.2069,
0.2215

59.6374, 0.2663,
0.2904

29.2539, 0.1957,
0.2031

68.1824, 0.2825,
0.3049

25.3520, 0.1868,
0.1852

77.6314, 0.2985,
0.3181

22.0340, 0.1802,
0.1681

88.0149, 0.3140,
0.3299

■ 21.7760, 0.1797,
0.1667

■ 97.2211, 0.3217,
0.3407

■ 99.0694, 0.3215,
0.3435

Harmonies

Analogous

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



45.1268, 0.2251, 0.2816



45.1268, 0.2346, 0.2576



45.1268, 0.2635, 0.2526

Triad

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



45.1268, 0.2346, 0.2576



45.1268, 0.3946, 0.3270



45.1268, 0.3120, 0.4065

Complementary

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



45.1268, 0.2346, 0.2576



51.3481, 0.4181, 0.3893

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.



45.1268, 0.3588, 0.4156



45.1268, 0.2346, 0.2576



45.1268, 0.4088, 0.3653

Square

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



45.1268, 0.2346, 0.2576



45.1268, 0.3563, 0.2915



45.1268, 0.3949, 0.3983



45.1268, 0.2675, 0.3704

Rectangle

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



45.1268, 0.2346, 0.2576



45.1268, 0.2916, 0.2591



45.1268, 0.3949, 0.3983



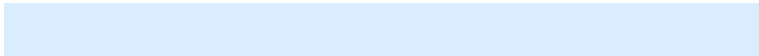
45.1268, 0.3280, 0.4128

Sweetspot

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



45.1285, 0.2346, 0.2576



82.6073, 0.2892, 0.3105



69.5369, 0.2793, 0.4139



17.1996, 0.2858, 0.3077



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.



45.1285, 0.2346, 0.2576



44.8589, 0.2199, 0.2397



25.8353, 0.2199, 0.1806



16.6271, 0.2980, 0.3177



12.1931, 0.1804, 0.1694



1.2134, 0.1867, 0.1920

Inverse Universe

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



35.9394, 0.3750, 0.2610



34.7710, 0.3944, 0.2494



78.8101, 0.3877, 0.4436



15.9000, 0.3209, 0.3165



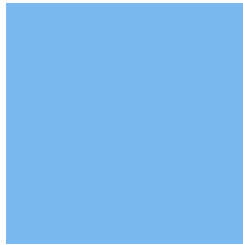
11.0243, 0.4814, 0.2425



0.9372, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 45.1268, 0.2346, 0.2576 looks on a white background.

Color Contrast Check

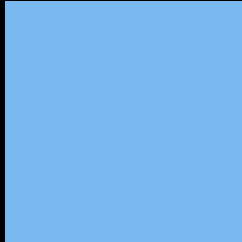
Large Text (above 18pt) WCAG AA × Fail

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 45.1268, 0.2346, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

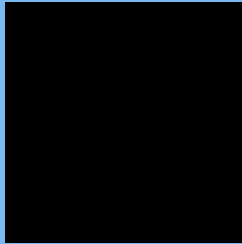
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

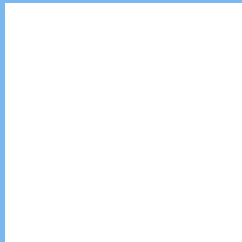
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1268, 0.2346, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 45.1268, 0.2346, 0.2576.



This preview shows how white text looks on a background with the Yxy color 45.1268, 0.2346, 0.2576.

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

45.1268, 0.2346, 0.2576

Protanopia

44.7204, 0.2615, 0.2579

Deuteranopia

44.9351, 0.2541, 0.2479



Tritanopia

45.0973, 0.2478, 0.3076

Trichromacy



Original Color

45.1268, 0.2346, 0.2576

Protanomaly

44.5922, 0.2502, 0.2567

Deuteranomaly

44.7021, 0.2462, 0.2510

Tritanomaly

45.1020, 0.2430, 0.2890

Monochromacy



Original Color

45.1268, 0.2346, 0.2576

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3455, 0.2787, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1268, 0.2346, 0.2576 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(122, 185, 240)` looks like.

```
.text, #text, p{  
    color:rgb(122, 185, 240)  
}
```

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(122, 185, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 185, 240) }
```

Border

The CSS property to change the border of an element to Yxy 45.1268, 0.2346, 0.2576 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(122, 185, 240) }
```

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

```
.border{ border-color:rgb(122, 185, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 185, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 185, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 185, 240);  
box-shadow:4px 4px 4px 4px rgb(122, 185,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1268, 0.2346, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 185, 240) }
```

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

```
.background{ background-color: rgb(122,  
185, 240) }
```

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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