

Converting Colors

$Y_{xy}(46.9439, 0.2325, 0.2751)$

Have a look what the booklet for
Yxy(46.9439, 0.2325, 0.2751)
contains.

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Color

Yxy(47.0873, 0.2324, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	6AC1E9
RGB	106, 193, 233
RGB Percent	42%, 76%, 91%
CMY	0.5845, 0.2431, 0.0862
CMYK	0.55, 0.17, 0.00, 0.09
HSL	199°, 74%, 66%
HSV	199°, 55%, 91%
XYZ	39.7208, 47.0873, 84.1077
YIQ	171.5470, -64.6920, -6.0040

Conversions

Conversions Part 2

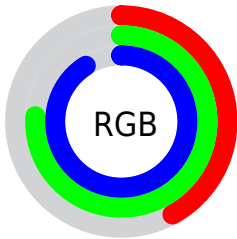
Format	Color
RYB	106, 158, 233
Decimal	6996457
CIELab	74.25, -15.17, -27.91
CIElCh	74, 31.768, 241.478
Yxy	47.0873, 0.2324, 0.2755
Android (android.graphics.Color)	4285186537 (0xFF6AC1E9)
YUV	171.5470, 30.2963, -57.4847
Hunter-Lab	68.6202, -16.7605, -24.6375

Details

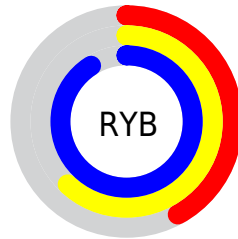
The Yxy color **47.0873, 0.2324, 0.2755** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.9206, 0.4466, 0.3739**, and the grayscale version is **40.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9707, 0.2619, 0.3222**, and **22.0709, 0.2119, 0.2597** is the 20% darker color. If you saturate the color by 10%, you get **42.6856, 0.2208, 0.2637**, and if you desaturate by 10%, it is **52.0413, 0.2455, 0.2869**.

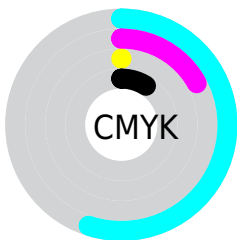
Distribution



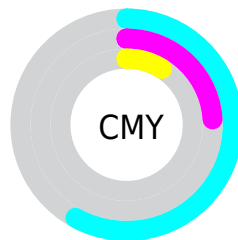
- Red (42%)
- Green (76%)
- Blue (91%)



- Red (42%)
- Yellow (62%)
- Blue (91%)



- Cyan (55%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0873, 0.2324, 0.2755 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 47.0873, 0.2324, 0.2755 by changing the saturation by 10% instead.

■ 47.0873, 0.2324,
0.2755

■ 47.0873, 0.2324,
0.2755

■ 375.1629, 0.2710,
0.3026

■ 33.1047, 0.2233,
0.2688

■ 85.8439, 0.2460,
0.2853

■ 22.2066, 0.2120,
0.2602

■ 111.3867, 0.2513,
0.2890

■ 14.0088, 0.1975,
0.2489

■ 141.5517, 0.2558,
0.2922

■ 8.1268, 0.1786,
0.2336

■ 176.7232, 0.2597,
0.2948

■ 4.1762, 0.1529,
0.2117

■ 217.2857, 0.2630,
0.2971

■ 1.7726, 0.1172,
0.1787

■ 263.6235, 0.2660,

■ 0.4700, 0.0195,

0.2992

0.1199

316.1211, 0.2687,
0.3010

0.0000, 0.0000,
0.0000

47.0873, 0.2324,
0.2755

47.0873, 0.2324,
0.2755

42.6856, 0.2208,
0.2637

52.0413, 0.2455,
0.2869

38.7963, 0.2109,
0.2516

57.5734, 0.2598,
0.2977

35.3816, 0.2031,
0.2395

63.7132, 0.2748,
0.3078


32.3933, 0.1973,
0.2275

70.4869, 0.2902,
0.3170

30.8992, 0.1948,
0.2211

77.9187, 0.3057,
0.3255

 86.0314, 0.3211,
0.3330

 92.0778, 0.3266,
0.3401

 96.5925, 0.3259,
0.3471

 98.6649, 0.3256,
0.3502

Harmonies

Analogous

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



47.0873, 0.2362, 0.3086



47.0873, 0.2324, 0.2755



47.0873, 0.2480, 0.2592

Triad

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



47.0873, 0.2324, 0.2755



47.0873, 0.3673, 0.3054



47.0873, 0.3408, 0.4086

Complementary

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



47.0873, 0.2324, 0.2755



38.9206, 0.4466, 0.3739

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.



47.0873, 0.3788, 0.4011



47.0873, 0.2324, 0.2755



47.0873, 0.3957, 0.3402

Square

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



47.0873, 0.2324, 0.2755



47.0873, 0.3242, 0.2771



47.0873, 0.3996, 0.3748



47.0873, 0.2969, 0.3905

Rectangle

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



47.0873, 0.2324, 0.2755



47.0873, 0.2681, 0.2582



47.0873, 0.3996, 0.3748



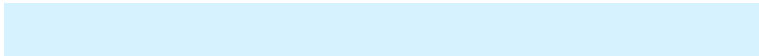
47.0873, 0.3547, 0.4088

Sweetspot

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



47.0890, 0.2324, 0.2755



85.1394, 0.2878, 0.3157



63.3725, 0.2865, 0.4526



17.8469, 0.2846, 0.3138



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.



47.0890, 0.2324, 0.2755



51.9707, 0.2199, 0.2627



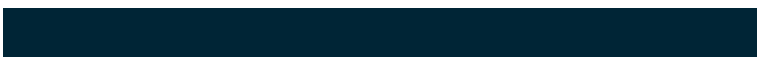
25.2792, 0.2141, 0.1879



16.2751, 0.2981, 0.3214



17.7597, 0.1953, 0.2229



1.5656, 0.1998, 0.2394

Inverse Universe

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



31.4786, 0.3615, 0.2352



32.7484, 0.3753, 0.2211



63.2929, 0.4055, 0.4374



15.2283, 0.3186, 0.3130



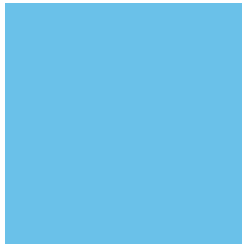
11.2857, 0.4201, 0.2088



0.9035, 0.4030, 0.1993

Previews

White Background



This preview shows how the Yxy color 47.0873, 0.2324, 0.2755 looks on a white background.

Color Contrast Check

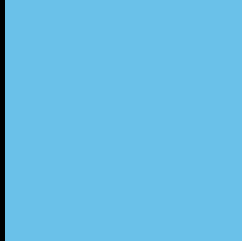
Large Text (above 18pt) WCAG AA × Fail

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 47.0873, 0.2324, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

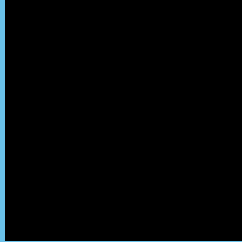
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0873, 0.2324, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 47.0873, 0.2324, 0.2755.



This preview shows how white text looks on a background with the Yxy color 47.0873, 0.2324, 0.2755.

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

47.0873, 0.2324, 0.2755

Protanopia

46.6823, 0.2734, 0.2741

Deuteranopia

46.8424, 0.2649, 0.2594



Tritanopia

47.2826, 0.2401, 0.3078

Trichromacy



Original Color

47.0873, 0.2324, 0.2755

Protanomaly

46.4470, 0.2558, 0.2747

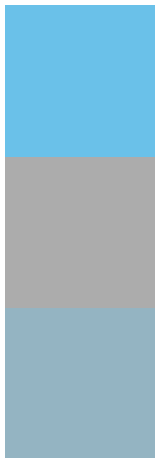
Deuteranomaly

46.4822, 0.2511, 0.2643

Tritanomaly

47.4139, 0.2372, 0.2958

Monochromacy



Original Color

47.0873, 0.2324, 0.2755

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8335, 0.2765, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0873, 0.2324, 0.2755 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(106, 193, 233)` looks like.

```
.text, #text, p{  
    color:rgb(106, 193, 233)  
}
```

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(106, 193, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 193, 233) }
```

Border

The CSS property to change the border of an element to Yxy 47.0873, 0.2324, 0.2755 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(106, 193, 233) }
```

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

```
.border{ border-color:rgb(106, 193, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 193, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 193, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 193, 233); box-shadow:4px 4px 4px 4px rgb(106, 193, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0873, 0.2324, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 193, 233) }
```

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

```
.background{ background-color: rgb(106,  
193, 233) }
```

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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