

Converting Colors

$Yxy(47.8823, 0.2362, 0.2808)$

Have a look what the booklet for
Yxy(47.8823, 0.2362, 0.2808)
contains.

Yxy(47.7326, 0.2359, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7326, 0.2359, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	6FC2E7
RGB	111, 194, 231
RGB Percent	44%, 76%, 91%
CMY	0.5648, 0.2392, 0.0940
CMYK	0.52, 0.16, 0.00, 0.09
HSL	199°, 71%, 67%
HSV	199°, 52%, 91%
XYZ	40.2722, 47.7326, 82.7126
YIQ	173.4010, -61.3450, -6.0890

Conversions

Conversions Part 2

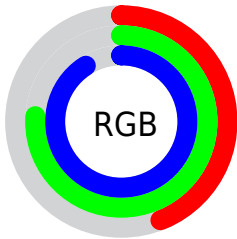
Format	Color
R _Y B	111, 160, 231
Decimal	7324391
CIE Lab	74.66, -15.22, -26.18
CIE LCh	75, 30.284, 239.839
Yxy	47.7326, 0.2359, 0.2796
Android (android.graphics.Color)	4285514471 (0xFF6FC2E7)
YUV	173.4010, 28.3963, -54.7257
Hunter-Lab	69.0888, -16.8567, -22.6194

Details

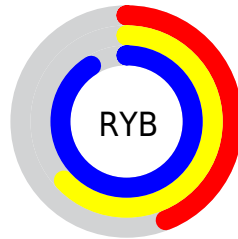
The Yxy color **47.7326, 0.2359, 0.2796** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.3241, 0.4383, 0.3712**, and the grayscale version is **41.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6494, 0.2641, 0.3245**, and **22.4797, 0.2164, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **43.3285, 0.2239, 0.2681**, and if you desaturate by 10%, it is **52.6798, 0.2493, 0.2906**.

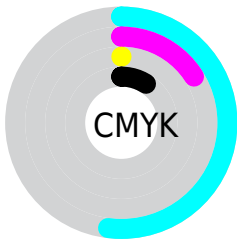
Distribution



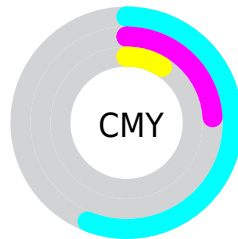
- Red (44%)
- Green (76%)
- Blue (91%)



- Red (44%)
- Yellow (63%)
- Blue (91%)



- Cyan (52%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7326, 0.2359, 0.2796 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 47.7326, 0.2359, 0.2796 by changing the saturation by 10% instead.

■ 47.7326, 0.2359,
0.2796

■ 47.7326, 0.2359,
0.2796

■ 377.7312, 0.2729,
0.3046

■ 33.6152, 0.2272,
0.2734

■ 86.8061, 0.2490,
0.2887

■ 22.5981, 0.2163,
0.2654

■ 112.5310, 0.2540,
0.2921

■ 14.2971, 0.2024,
0.2549

■ 142.8939, 0.2583,
0.2950

■ 8.3276, 0.1841,
0.2406

■ 178.2791, 0.2620,
0.2975

■ 4.3053, 0.1592,
0.2200

■ 219.0710, 0.2652,
0.2996

■ 1.8457, 0.1243,
0.1887

■ 265.6541, 0.2681,

■ 0.5154, 0.0308,

0.3015

0.1340

318.4127, 0.2706,
0.3031

0.0000, 0.0000,
0.0000

47.7326, 0.2359,
0.2796

47.7326, 0.2359,
0.2796

43.3285, 0.2239,
0.2681

52.6798, 0.2493,
0.2906

39.4295, 0.2137,
0.2564

58.1942, 0.2637,
0.3010

36.0002, 0.2054,
0.2445

64.3043, 0.2788,
0.3106

32.9962, 0.1992,
0.2328


71.0349, 0.2942,
0.3195


30.8335, 0.1954,
0.2235

78.4094, 0.3097,
0.3275

 86.4495, 0.3250,
0.3347

 91.6622, 0.3279,
0.3416

 96.0311, 0.3272,
0.3484

 98.5512, 0.3268,
0.3522

Harmonies

Analogous

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



47.7326, 0.2406, 0.3119



47.7326, 0.2359, 0.2796



47.7326, 0.2498, 0.2630

Triad

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



47.7326, 0.2359, 0.2796



47.7326, 0.3625, 0.3049



47.7326, 0.3418, 0.4046

Complementary

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



47.7326, 0.2359, 0.2796



39.3241, 0.4383, 0.3712

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.



47.7326, 0.3772, 0.3966



47.7326, 0.2359, 0.2796



47.7326, 0.3905, 0.3380

Square

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



47.7326, 0.2359, 0.2796



47.7326, 0.3213, 0.2783



47.7326, 0.3956, 0.3712



47.7326, 0.3000, 0.3887

Rectangle

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



47.7326, 0.2359, 0.2796



47.7326, 0.2685, 0.2613



47.7326, 0.3956, 0.3712



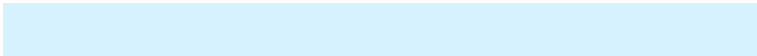
47.7326, 0.3548, 0.4044

Sweetspot

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



47.7344, 0.2359, 0.2796



85.2983, 0.2878, 0.3159



62.6530, 0.2873, 0.4455



17.8849, 0.2847, 0.3141



0.0000, 0.0000, 0.0000



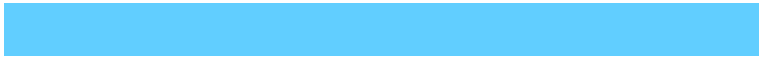
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7344, 0.2359, 0.2796



54.0123, 0.2235, 0.2677



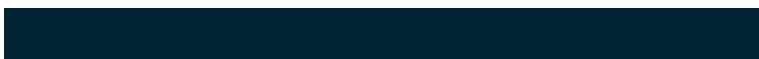
26.4756, 0.2191, 0.1957



15.5468, 0.2981, 0.3216



17.5108, 0.1959, 0.2254



1.4570, 0.2006, 0.2423

Inverse Universe

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



32.2543, 0.3575, 0.2383



34.2586, 0.3702, 0.2238



62.7764, 0.4010, 0.4329



14.5356, 0.3185, 0.3129



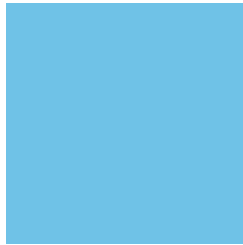
10.9654, 0.4175, 0.2074



0.8268, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 47.7326, 0.2359, 0.2796 looks on a white background.

Color Contrast Check

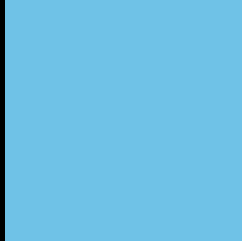
Large Text (above 18pt) WCAG AA × Fail

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 47.7326, 0.2359, 0.2796 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 47.7326, 0.2359, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 47.7326, 0.2359, 0.2796.



This preview shows how white text looks on a background with the Yxy color 47.7326, 0.2359, 0.2796.

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

47.7326, 0.2359, 0.2796

Protanopia

47.3203, 0.2770, 0.2780

Deuteranopia

47.0649, 0.2683, 0.2620



Tritanopia

47.7399, 0.2428, 0.3066

Trichromacy



Original Color

47.7326, 0.2359, 0.2796

Protanomaly

47.1334, 0.2597, 0.2788

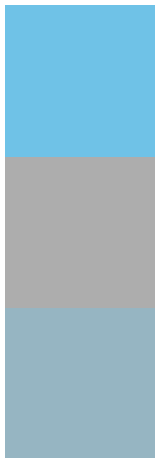
Deuteranomaly

46.6482, 0.2541, 0.2668

Tritanomaly

47.7730, 0.2399, 0.2960

Monochromacy



Original Color

47.7326, 0.2359, 0.2796

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4268, 0.2781, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7326, 0.2359, 0.2796 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(111, 194, 231)` looks like.

```
.text, #text, p{  
    color:rgb(111, 194, 231)  
}
```

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(111, 194, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 194, 231) }
```

Border

The CSS property to change the border of an element to Yxy 47.7326, 0.2359, 0.2796 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(111, 194, 231) }
```

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

```
.border{ border-color:rgb(111, 194, 231) }
```

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

Here you see how a box with a 4 pixel rgb(111, 194, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 194, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 194, 231);  
box-shadow:4px 4px 4px 4px rgb(111, 194,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7326, 0.2359, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 194, 231) }
```

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

```
.background{ background-color: rgb(111,  
194, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor