

Converting Colors

$Yxy(47.3366, 0.2505, 0.2888)$

Have a look what the booklet for
Yxy(47.3366, 0.2505, 0.2888)
contains.

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Color

Yxy(47.3074, 0.2507, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	83BFDD
RGB	131, 191, 221
RGB Percent	51%, 75%, 87%
CMY	0.4860, 0.2510, 0.1332
CMYK	0.41, 0.14, 0.00, 0.13
HSL	200°, 57%, 69%
HSV	200°, 41%, 87%
XYZ	41.0521, 47.3074, 75.3905
YIQ	176.4800, -45.3900, -3.3900

Conversions

Conversions Part 2

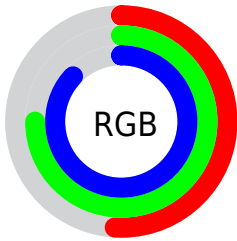
Format	Color
RYB	131, 167, 221
Decimal	8634333
CIELab	74.39, -11.64, -21.10
CIElCh	74, 24.097, 241.107
Yxy	47.3074, 0.2507, 0.2889
Android (android.graphics.Color)	4286824413 (0xFF83BFDD)
YUV	176.4800, 21.9484, -39.8860
Hunter-Lab	68.7804, -13.8264, -16.8418

Details

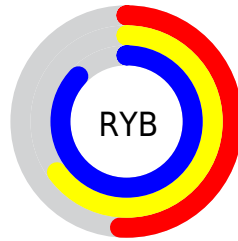
The Yxy color **47.3074, 0.2507, 0.2889** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.5435, 0.4008, 0.3652**, and the grayscale version is **43.5893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3063, 0.2728, 0.3203**, and **22.4666, 0.2345, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **42.5894, 0.2369, 0.2770**, and if you desaturate by 10%, it is **52.5677, 0.2654, 0.3001**.

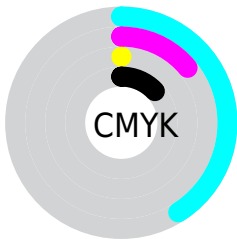
Distribution



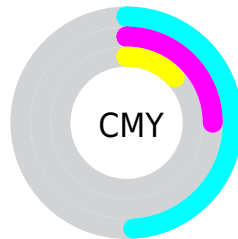
- Red (51%)
- Green (75%)
- Blue (87%)



- Red (51%)
- Yellow (65%)
- Blue (87%)



- Cyan (41%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3074, 0.2507, 0.2889 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 47.3074, 0.2507, 0.2889 by changing the saturation by 10% instead.

■ 47.3074, 0.2507,
0.2889

■ 47.3074, 0.2507,
0.2889

■ 376.0402, 0.2809,
0.3092

■ 33.2787, 0.2435,
0.2838

■ 86.1723, 0.2615,
0.2963

■ 22.3401, 0.2344,
0.2773

■ 111.7773, 0.2656,
0.2991

■ 14.1070, 0.2226,
0.2686

■ 142.0099, 0.2690,
0.3014

■ 8.1951, 0.2068,
0.2567

■ 177.2544, 0.2721,
0.3034

■ 4.2200, 0.1847,
0.2392

■ 217.8954, 0.2747,
0.3052

■ 1.7974, 0.1522,
0.2117

■ 264.3170, 0.2770,

■ 0.4856, 0.0575,

0.3067

0.1574

316.9038, 0.2790,
0.3080

0.0000, 0.0000,
0.0000

47.3074, 0.2507,
0.2889

47.3074, 0.2507,
0.2889

42.5894, 0.2369,
0.2770

52.5677, 0.2654,
0.3001

38.3818, 0.2244,
0.2646

58.3893, 0.2807,
0.3104

34.6570, 0.2135,
0.2519

64.7964, 0.2962,
0.3199

31.3817, 0.2046,
0.2390

71.8103, 0.3116,
0.3284

28.5166, 0.1977,
0.2262

79.4509, 0.3268,
0.3361

■ 26.1588, 0.1929,
0.2146

■ 86.0526, 0.3353,
0.3432

■ 90.3732, 0.3343,
0.3504

■ 94.8712, 0.3334,
0.3574

■ 98.0018, 0.3327,
0.3621

Harmonies

Analogous

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



47.3074, 0.2540, 0.3146



47.3074, 0.2507, 0.2889



47.3074, 0.2628, 0.2755

Triad

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



47.3074, 0.2507, 0.2889



47.3074, 0.3537, 0.3108



47.3074, 0.3351, 0.3886

Complementary

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



47.3074, 0.2507, 0.2889



42.5435, 0.4008, 0.3652

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.



47.3074, 0.3636, 0.3839



47.3074, 0.2507, 0.2889



47.3074, 0.3752, 0.3381

Square

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



47.3074, 0.2507, 0.2889



47.3074, 0.3213, 0.2886



47.3074, 0.3786, 0.3647



47.3074, 0.3016, 0.3750

Rectangle

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



47.3074, 0.2507, 0.2889



47.3074, 0.2784, 0.2742



47.3074, 0.3786, 0.3647



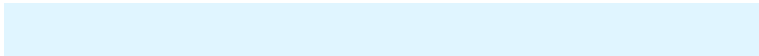
47.3074, 0.3456, 0.3890

Sweetspot

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



47.3092, 0.2507, 0.2889



88.3046, 0.2941, 0.3186



59.1319, 0.2899, 0.4113



18.6443, 0.2920, 0.3174



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.



47.3092, 0.2507, 0.2889



59.6986, 0.2386, 0.2786



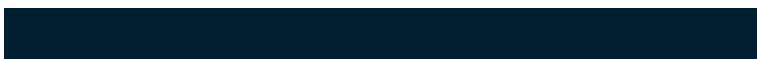
30.6297, 0.2406, 0.2253



14.0589, 0.2982, 0.3210



15.4087, 0.1935, 0.2165



1.1543, 0.1992, 0.2370

Inverse Universe

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



35.3885, 0.3473, 0.2595



42.0568, 0.3576, 0.2454



61.1747, 0.3796, 0.4146



13.1971, 0.3188, 0.3135



10.1793, 0.4270, 0.2126



0.6752, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 47.3074, 0.2507, 0.2889 looks on a white background.

Color Contrast Check

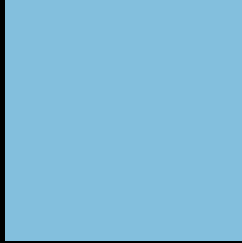
Large Text (above 18pt) WCAG AA × Fail

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 47.3074, 0.2507, 0.2889 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 47.3074, 0.2507, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 47.3074, 0.2507, 0.2889.



This preview shows how white text looks on a background with the Yxy color 47.3074, 0.2507, 0.2889.

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

47.3074, 0.2507, 0.2889

Protanopia

47.1329, 0.2840, 0.2875

Deuteranopia

46.8063, 0.2792, 0.2724



Tritanopia

47.3326, 0.2561, 0.3070

Trichromacy



Original Color

47.3074, 0.2507, 0.2889

Protanomaly

47.1813, 0.2706, 0.2878

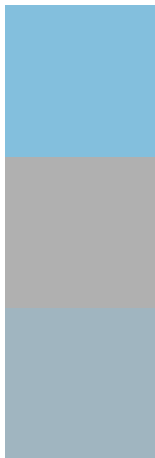
Deuteranomaly

46.8761, 0.2680, 0.2782

Tritanomaly

47.1705, 0.2542, 0.3004

Monochromacy



Original Color

47.3074, 0.2507, 0.2889

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3271, 0.2872, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3074, 0.2507, 0.2889 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(131, 191, 221)` looks like.

```
.text, #text, p{  
    color:rgb(131, 191, 221)  
}
```

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(131, 191, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 191, 221) }
```

Border

The CSS property to change the border of an element to Yxy 47.3074, 0.2507, 0.2889 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(131, 191, 221) }
```

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

```
.border{ border-color:rgb(131, 191, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 191, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 191, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 191, 221);  
box-shadow:4px 4px 4px 4px rgb(131, 191,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3074, 0.2507, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 191, 221) }
```

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

```
.background{ background-color: rgb(131,  
191, 221) }
```

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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