

Converting Colors

$Y_{xy}(47.2895, 0.2399, 0.2636)$

Have a look what the booklet for
Yxy(47.2895, 0.2399, 0.2636)
contains.

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Color

Yxy(47.4323, 0.2398, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	82BDF0
RGB	130, 189, 240
RGB Percent	51%, 74%, 94%
CMY	0.4900, 0.2588, 0.0589
CMYK	0.46, 0.21, 0.00, 0.06
HSL	208°, 79%, 73%
HSV	208°, 46%, 94%
XYZ	43.1334, 47.4323, 89.3065
YIQ	177.1730, -51.5350, 3.3530

Conversions

Conversions Part 2

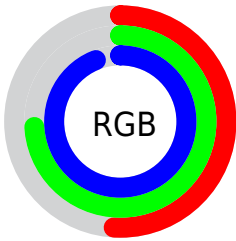
Format	Color
RYB	130, 168, 240
Decimal	8568304
CIELab	74.47, -5.70, -31.24
CIELCh	74, 31.755, 259.652
Yxy	47.4323, 0.2398, 0.2637
Android (android.graphics.Color)	4286758384 (0xFF82BDF0)
YUV	177.1730, 30.9737, -41.3707
Hunter-Lab	68.8711, -8.7315, -28.6728

Details

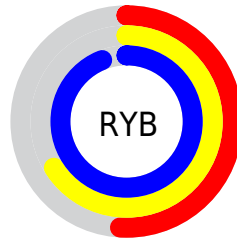
The Yxy color **47.4323, 0.2398, 0.2637** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.1918, 0.4090, 0.3852**, and the grayscale version is **43.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0896, 0.2726, 0.3181**, and **22.4855, 0.2213, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **41.1463, 0.2248, 0.2462**, and if you desaturate by 10%, it is **54.5317, 0.2556, 0.2802**.

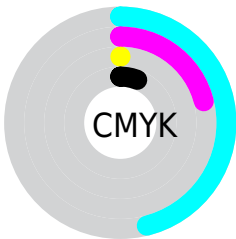
Distribution



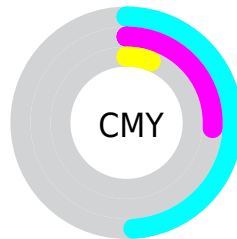
- Red (51%)
- Green (74%)
- Blue (94%)



- Red (51%)
- Yellow (66%)
- Blue (94%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (26%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4323, 0.2398, 0.2637 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 47.4323, 0.2398, 0.2637 by changing the saturation by 10% instead.

■ 47.4323, 0.2398,
0.2637

■ 47.4323, 0.2398,
0.2637

376.5375, 0.2750,
0.2958

■ 33.3775, 0.2315,
0.2560

■ 86.3586, 0.2523,
0.2752

■ 22.4158, 0.2211,
0.2462

■ 111.9988, 0.2570,
0.2795

■ 14.1628, 0.2078,
0.2337

■ 142.2697, 0.2611,
0.2833

■ 8.2340, 0.1903,
0.2169

177.5557, 0.2647,
0.2865

■ 4.2450, 0.1666,
0.1936

218.2410, 0.2677,
0.2893

■ 1.8115, 0.1332,
0.1601

264.7102, 0.2705,

■ 0.4944, 0.0684,

0.2917

0.1023

317.3475, 0.2729,
0.2939

0.0000, 0.0000,
0.0000

47.4323, 0.2398,
0.2637

47.4323, 0.2398,
0.2637

41.1463, 0.2248,
0.2462

54.5317, 0.2556,
0.2802

35.6291, 0.2112,
0.2281

62.4755, 0.2718,
0.2956

30.8387, 0.1993,
0.2098

71.2988, 0.2879,
0.3096

26.7250, 0.1897,
0.1918

81.0332, 0.3038,
0.3223

23.2281, 0.1824,
0.1745

91.7082, 0.3190,
0.3336

■ 21.9115, 0.1799,
0.1674

■ 99.0703, 0.3215,
0.3434

Harmonies

Analogous

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



47.4323, 0.2317, 0.2868



47.4323, 0.2398, 0.2637



47.4323, 0.2661, 0.2582

Triad

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



47.4323, 0.2398, 0.2637



47.4323, 0.3869, 0.3261



47.4323, 0.3141, 0.4005

Complementary

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



47.4323, 0.2398, 0.2637



53.1918, 0.4090, 0.3852

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.



47.4323, 0.3570, 0.4083



47.4323, 0.2398, 0.2637



47.4323, 0.4010, 0.3616

Square

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



47.4323, 0.2398, 0.2637



47.4323, 0.3512, 0.2932



47.4323, 0.3894, 0.3922



47.4323, 0.2727, 0.3685

Rectangle

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



47.4323, 0.2398, 0.2637



47.4323, 0.2918, 0.2637



47.4323, 0.3894, 0.3922



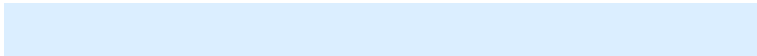
47.4323, 0.3288, 0.4061

Sweetspot

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



47.4341, 0.2398, 0.2637



83.7353, 0.2908, 0.3119



70.3349, 0.2809, 0.4070



17.4263, 0.2873, 0.3091



0.0000, 0.0000, 0.0000



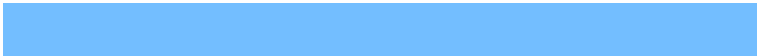
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4341, 0.2398, 0.2637



47.6589, 0.2257, 0.2474



28.5167, 0.2270, 0.1922



16.6328, 0.2980, 0.3178



12.2658, 0.1806, 0.1701



1.2194, 0.1869, 0.1927

Inverse Universe

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



38.1718, 0.3688, 0.2651



37.1806, 0.3860, 0.2534



79.2582, 0.3829, 0.4366



15.9006, 0.3209, 0.3164



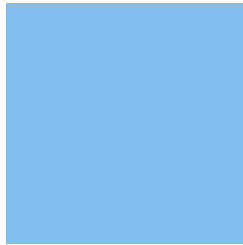
11.0316, 0.4805, 0.2421



0.9378, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 47.4323, 0.2398, 0.2637 looks on a white background.

Color Contrast Check

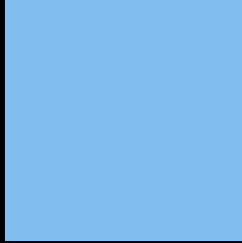
Large Text (above 18pt) WCAG AA × Fail

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 47.4323, 0.2398, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

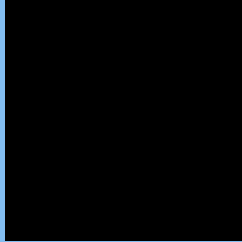
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

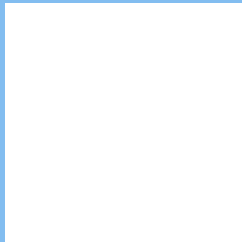
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4323, 0.2398, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 47.4323, 0.2398, 0.2637.



This preview shows how white text looks on a background with the Yxy color 47.4323, 0.2398, 0.2637.

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

47.4323, 0.2398, 0.2637

Protanopia

47.0180, 0.2656, 0.2627

Deuteranopia

47.2688, 0.2594, 0.2539



Tritanopia

47.3017, 0.2517, 0.3068

Trichromacy



Original Color

47.4323, 0.2398, 0.2637

Protanomaly

46.8917, 0.2554, 0.2627

Deuteranomaly

47.0879, 0.2520, 0.2572

Tritanomaly

47.2048, 0.2470, 0.2899

Monochromacy



Original Color

47.4323, 0.2398, 0.2637

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6915, 0.2815, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4323, 0.2398, 0.2637 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(130, 189, 240)` looks like.

```
.text, #text, p{  
    color:rgb(130, 189, 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(130, 189, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 189, 240) }
```

Border

The CSS property to change the border of an element to Yxy 47.4323, 0.2398, 0.2637 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(130, 189, 240) }
```

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

```
.border{ border-color:rgb(130, 189, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 189, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 189, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 189, 240);  
box-shadow:4px 4px 4px 4px rgb(130, 189,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4323, 0.2398, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 189, 240) }
```

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

```
.background{ background-color: rgb(130,  
189, 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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