

Converting Colors

$Yxy(47.2628, 0.2386, 0.2591)$

Have a look what the booklet for
Yxy(47.2628, 0.2386, 0.2591)
contains.

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Color

Yxy(47.2628, 0.2386, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	83BCF3
RGB	131, 188, 243
RGB Percent	51%, 74%, 95%
CMY	0.4862, 0.2627, 0.0470
CMYK	0.46, 0.23, 0.00, 0.05
HSL	209°, 82%, 73%
HSV	209°, 46%, 95%
XYZ	43.5234, 47.2628, 91.6253
YIQ	177.2270, -51.6270, 5.0210

Conversions

Conversions Part 2

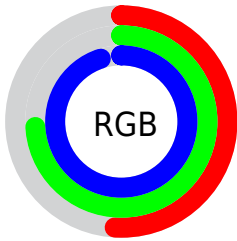
Format	Color
RYB	131, 169, 243
Decimal	8633587
CIELab	74.36, -4.08, -33.03
CIElCh	74, 33.283, 262.951
Yxy	47.2628, 0.2386, 0.2591
Android (android.graphics.Color)	4286823667 (0xFF83BCF3)
YUV	177.2270, 32.4261, -40.5411
Hunter-Lab	68.7479, -7.3030, -30.8964

Details

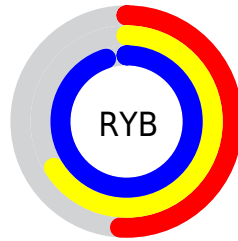
The Yxy color **47.2628, 0.2386, 0.2591** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.8242, 0.4082, 0.3887**, and the grayscale version is **43.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6127, 0.2730, 0.3171**, and **22.3323, 0.2192, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **40.6553, 0.2233, 0.2405**, and if you desaturate by 10%, it is **54.7506, 0.2547, 0.2767**.

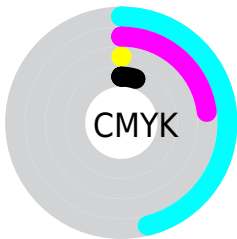
Distribution



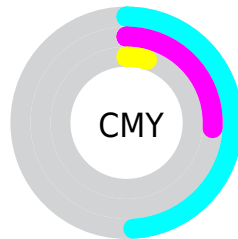
- Red (51%)
- Green (74%)
- Blue (95%)



- Red (51%)
- Yellow (66%)
- Blue (95%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (49%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2628, 0.2386, 0.2591 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 47.2628, 0.2386, 0.2591 by changing the saturation by 10% instead.

■ 47.2628, 0.2386,
0.2591

■ 47.2628, 0.2386,
0.2591

■ 375.8625, 0.2744,
0.2933

■ 33.2435, 0.2302,
0.2509

■ 86.1058, 0.2513,
0.2713

■ 22.3130, 0.2196,
0.2407

■ 111.6982, 0.2561,
0.2759

■ 14.0871, 0.2062,
0.2275

■ 141.9171, 0.2603,
0.2799

■ 8.1813, 0.1885,
0.2100

■ 177.1468, 0.2639,
0.2833

■ 4.2111, 0.1646,
0.1860

■ 217.7719, 0.2670,
0.2863

■ 1.7924, 0.1312,
0.1518

■ 264.1766, 0.2698,

■ 0.4824, 0.0697,

0.2889

0.0938

316.7453, 0.2722,
0.2912

0.0000, 0.0000,
0.0000

47.2628, 0.2386,
0.2591

47.2628, 0.2386,
0.2591

40.6553, 0.2233,
0.2405

54.7506, 0.2547,
0.2767

34.8804, 0.2093,
0.2212

63.1524, 0.2711,
0.2931

29.8928, 0.1971,
0.2018

72.5062, 0.2874,
0.3080

25.6389, 0.1871,
0.1828

82.8459, 0.3033,
0.3215

22.0542, 0.1797,
0.1647

94.2035, 0.3186,
0.3336

■ 20.7969, 0.1772,
0.1579

■ 99.2513, 0.3197,
0.3405

Harmonies

Analogous

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



47.2628, 0.2280, 0.2811



47.2628, 0.2386, 0.2591



47.2628, 0.2679, 0.2554

Triad

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



47.2628, 0.2386, 0.2591



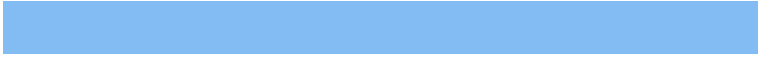
47.2628, 0.3935, 0.3298



47.2628, 0.3089, 0.4017

Complementary

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



47.2628, 0.2386, 0.2591



55.8242, 0.4082, 0.3887

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.



47.2628, 0.3544, 0.4127



47.2628, 0.2386, 0.2591



47.2628, 0.4053, 0.3668

Square

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



47.2628, 0.2386, 0.2591



47.2628, 0.3579, 0.2950



47.2628, 0.3902, 0.3979



47.2628, 0.2665, 0.3658

Rectangle

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



47.2628, 0.2386, 0.2591



47.2628, 0.2956, 0.2625



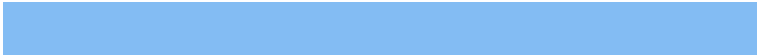
47.2628, 0.3902, 0.3979



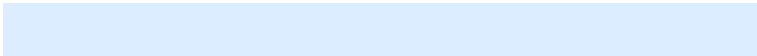
47.2628, 0.3244, 0.4086

Sweetspot

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



47.2646, 0.2386, 0.2591



83.1642, 0.2907, 0.3109



72.4399, 0.2789, 0.4026



17.2873, 0.2873, 0.3079



0.0000, 0.0000, 0.0000



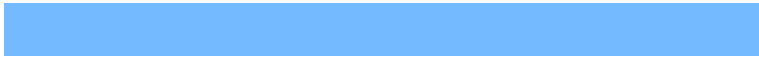
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2646, 0.2386, 0.2591



46.0120, 0.2247, 0.2423



28.0431, 0.2255, 0.1865



17.3207, 0.2980, 0.3171



11.6845, 0.1780, 0.1606



1.2327, 0.1842, 0.1830

Inverse Universe

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



38.9249, 0.3727, 0.2679



37.0144, 0.3906, 0.2572



83.6871, 0.3818, 0.4403



16.6233, 0.3214, 0.3170



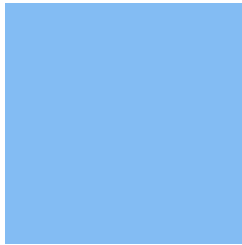
11.2789, 0.4923, 0.2486



1.0121, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 47.2628, 0.2386, 0.2591 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 47.2628, 0.2386, 0.2591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

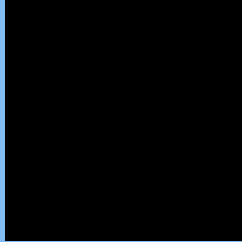
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

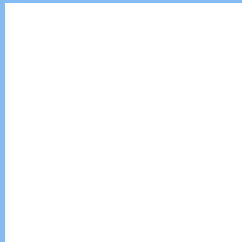
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2628, 0.2386, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 47.2628, 0.2386, 0.2591.



This preview shows how white text looks on a background with the Yxy color 47.2628, 0.2386, 0.2591.

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

47.2628, 0.2386, 0.2591

Protanopia

46.9724, 0.2624, 0.2592

Deuteranopia

47.2344, 0.2563, 0.2506



Tritanopia

47.3017, 0.2517, 0.3068

Trichromacy



Original Color

47.2628, 0.2386, 0.2591

Protanomaly

46.9690, 0.2531, 0.2593

Deuteranomaly

47.1709, 0.2497, 0.2539

Tritanomaly

47.3332, 0.2470, 0.2887

Monochromacy



Original Color

47.2628, 0.2386, 0.2591

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7384, 0.2808, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2628, 0.2386, 0.2591 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, 188, 243)` looks like.

```
.text, #text, p{  
    color:rgb(131, 188, 243)  
}
```

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, 188, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 188, 243) }
```

Border

The CSS property to change the border of an element to Yxy 47.2628, 0.2386, 0.2591 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, 188, 243) }
```

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

```
.border{ border-color:rgb(131, 188, 243) }
```

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

Here you see how a box with a 4 pixel rgb(131, 188, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 188, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 188, 243);  
box-shadow:4px 4px 4px 4px rgb(131, 188,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2628, 0.2386, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 188, 243) }
```

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

```
.background{ background-color: rgb(131,  
188, 243) }
```

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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