

Converting Colors

$Y_{xy}(46.2827, 0.2473, 0.2787)$

Have a look what the booklet for
Yxy(46.2827, 0.2473, 0.2787)
contains.

Yxy(46.2827, 0.2473, 0.2787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.2827, 0.2473, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	83BCE2
RGB	131, 188, 226
RGB Percent	51%, 74%, 89%
CMY	0.4863, 0.2627, 0.1137
CMYK	0.42, 0.17, 0.00, 0.11
HSL	204°, 62%, 70%
HSV	204°, 42%, 89%
XYZ	41.0682, 46.2827, 78.7155
YIQ	175.2890, -46.1700, -0.2660

Conversions

Conversions Part 2

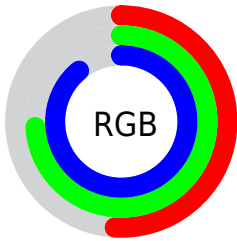
Format	Color
R _Y B	131, 167, 226
Decimal	8633570
CIE Lab	73.73, -8.76, -24.80
CIE LCh	74, 26.297, 250.541
Yxy	46.2827, 0.2473, 0.2787
Android (android.graphics.Color)	4286823650 (0xFF83BCE2)
YUV	175.2890, 25.0005, -38.8415
Hunter-Lab	68.0314, -11.3006, -20.9793

Details

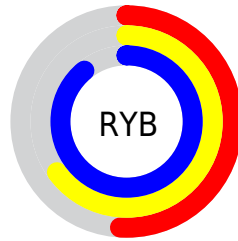
The Yxy color **46.2827, 0.2473, 0.2787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.1732, 0.4017, 0.3736**, and the grayscale version is **42.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4862, 0.2725, 0.3170**, and **21.8047, 0.2301, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **40.9317, 0.2328, 0.2642**, and if you desaturate by 10%, it is **52.2725, 0.2626, 0.2924**.

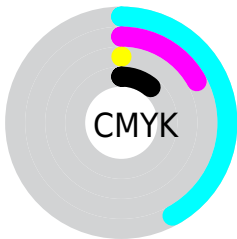
Distribution



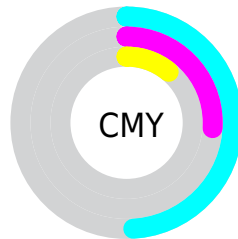
- Red (51%)
- Green (74%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2827, 0.2473, 0.2787 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 46.2827, 0.2473, 0.2787 by changing the saturation by 10% instead.

■ 46.2827, 0.2473,
0.2787

■ 46.2827, 0.2473,
0.2787

■ 371.9440, 0.2792,
0.3039

■ 32.4690, 0.2397,
0.2725

■ 84.6419, 0.2587,
0.2878

■ 21.7200, 0.2300,
0.2645

■ 109.9562, 0.2630,
0.2913

■ 13.6513, 0.2176,
0.2540

■ 139.8728, 0.2667,
0.2942

■ 7.8785, 0.2010,
0.2397

■ 174.7761, 0.2699,
0.2967

■ 4.0173, 0.1779,
0.2192

■ 215.0504, 0.2727,
0.2989

■ 1.6833, 0.1443,
0.1878

■ 261.0803, 0.2751,

■ 0.4128, 0.0531,

0.3008

0.1229

313.2500, 0.2773,
0.3024

0.0000, 0.0000,
0.0000

46.2827, 0.2473,
0.2787

46.2827, 0.2473,
0.2787

40.9317, 0.2328,
0.2642

52.2725, 0.2626,
0.2924

36.1840, 0.2195,
0.2490

58.9235, 0.2783,
0.3050

32.0079, 0.2079,
0.2334

66.2635, 0.2941,
0.3166

28.3654, 0.1983,
0.2178

74.3165, 0.3096,
0.3270

25.2118, 0.1909,
0.2024

83.1056, 0.3247,
0.3363

■ 22.9955, 0.1863,
0.1906

■ 90.3885, 0.3313,
0.3450

■ 95.9079, 0.3302,
0.3537

■ 98.2707, 0.3298,
0.3572

Harmonies

Analogous

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



46.2827, 0.2455, 0.3029



46.2827, 0.2473, 0.2787



46.2827, 0.2653, 0.2690

Triad

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



46.2827, 0.2473, 0.2787



46.2827, 0.3670, 0.3180



46.2827, 0.3256, 0.3923

Complementary

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



46.2827, 0.2473, 0.2787



46.1732, 0.4017, 0.3736

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.



46.2827, 0.3598, 0.3930



46.2827, 0.2473, 0.2787



46.2827, 0.3850, 0.3482

Square

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



46.2827, 0.2473, 0.2787



46.2827, 0.3339, 0.2916



46.2827, 0.3820, 0.3758



46.2827, 0.2893, 0.3713

Rectangle

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



46.2827, 0.2473, 0.2787



46.2827, 0.2850, 0.2708



46.2827, 0.3820, 0.3758



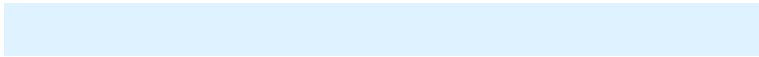
46.2827, 0.3377, 0.3949

Sweetspot

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



46.2845, 0.2473, 0.2787



86.0786, 0.2924, 0.3154



62.0191, 0.2866, 0.4080



17.9529, 0.2889, 0.3129



0.0000, 0.0000, 0.0000



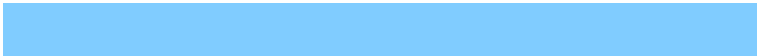
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2845, 0.2473, 0.2787



54.9657, 0.2352, 0.2667



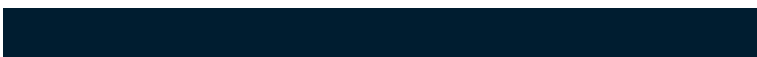
29.6827, 0.2368, 0.2145



14.6047, 0.2981, 0.3194



13.3579, 0.1869, 0.1929



1.0997, 0.1934, 0.2161

Inverse Universe

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



36.0285, 0.3556, 0.2638



40.9288, 0.3677, 0.2517



66.3614, 0.3799, 0.4221



13.8380, 0.3199, 0.3150



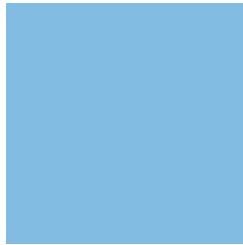
10.2565, 0.4534, 0.2271



0.7285, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 46.2827, 0.2473, 0.2787 looks on a white background.

Color Contrast Check

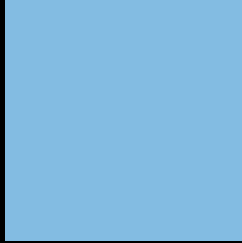
Large Text (above 18pt) WCAG AA × Fail

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 46.2827, 0.2473, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

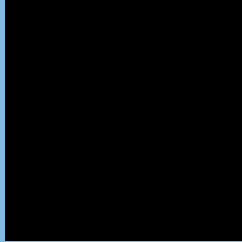
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

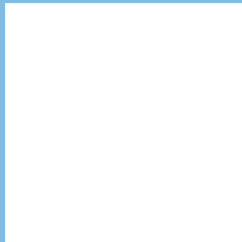
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2827, 0.2473, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 46.2827, 0.2473, 0.2787.



This preview shows how white text looks on a background with the Yxy color 46.2827, 0.2473, 0.2787.

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

46.2827, 0.2473, 0.2787

Protanopia

46.0654, 0.2760, 0.2774

Deuteranopia

45.9300, 0.2719, 0.2660



Tritanopia

46.2022, 0.2556, 0.3067

Trichromacy



Original Color

46.2827, 0.2473, 0.2787

Protanomaly

45.7977, 0.2643, 0.2774

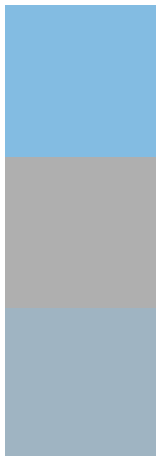
Deuteranomaly

45.8629, 0.2624, 0.2705

Tritanomaly

46.2711, 0.2526, 0.2962

Monochromacy



Original Color

46.2827, 0.2473, 0.2787

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9085, 0.2849, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2827, 0.2473, 0.2787 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 188, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 188, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.2827, 0.2473, 0.2787 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, 226) }
```

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

```
.border{ border-color:rgb(131, 188, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 188, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 188, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 188,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2827, 0.2473, 0.2787 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, 226) }
```

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

```
.background{ background-color: rgb(131,  
188, 226) }
```

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