

Converting Colors

$Y_{xy}(43.2880, 0.2575, 0.2923)$

Have a look what the booklet for
Yxy(43.2880, 0.2575, 0.2923)
contains.

Yxy(43.1277, 0.2575, 0.2917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.1277, 0.2575, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	86B6D1
RGB	134, 182, 209
RGB Percent	53%, 71%, 82%
CMY	0.4744, 0.2863, 0.1803
CMYK	0.36, 0.13, 0.00, 0.18
HSL	202°, 45%, 67%
HSV	202°, 36%, 82%
XYZ	38.0712, 43.1277, 66.6506
YIQ	170.7260, -37.2750, -1.7790

Conversions

Conversions Part 2

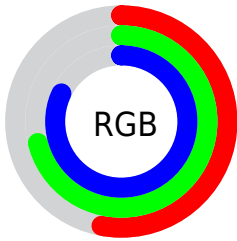
Format	Color
RYB	134, 163, 209
Decimal	8828625
CIELab	71.64, -9.19, -18.71
CIElCh	72, 20.846, 243.833
Yxy	43.1277, 0.2575, 0.2917
Android (android.graphics.Color)	4287018705 (0xFF86B6D1)
YUV	170.7260, 18.8691, -32.2087
Hunter-Lab	65.6717, -11.4453, -14.2036

Details

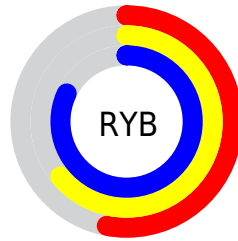
The Yxy color **43.1277, 0.2575, 0.2917** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **40.7816, 0.3861, 0.3632**, and the grayscale version is **40.5004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1879, 0.2730, 0.3105**, and **19.8164, 0.2420, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **38.5763, 0.2429, 0.2792**, and if you desaturate by 10%, it is **48.1878, 0.2727, 0.3033**.

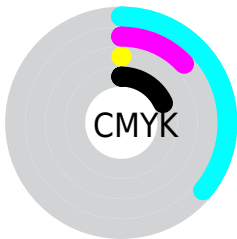
Distribution



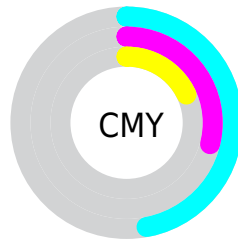
- Red (53%)
- Green (71%)
- Blue (82%)



- Red (53%)
- Yellow (64%)
- Blue (82%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1277, 0.2575, 0.2917 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 43.1277, 0.2575, 0.2917 by changing the saturation by 10% instead.

■ 43.1277, 0.2575,
0.2917

■ 43.1277, 0.2575,
0.2917

■ 359.1367, 0.2849,
0.3108

■ 29.9853, 0.2508,
0.2868

■ 79.9035, 0.2674,
0.2987

■ 19.8274, 0.2422,
0.2805

■ 104.3058, 0.2711,
0.3013

■ 12.2697, 0.2309,
0.2721

■ 133.2301, 0.2743,
0.3035

■ 6.9276, 0.2155,
0.2602

■ 167.0609, 0.2770,
0.3054

■ 3.4169, 0.1934,
0.2424

■ 206.1825, 0.2794,
0.3070

■ 1.3530, 0.1594,
0.2133

■ 250.9795, 0.2814,

■ 0.1817, 0.0000,

0.3085

0.1012

301.8360, 0.2833,
0.3097

0.0000, 0.0000,
0.0000

43.1277, 0.2575,
0.2917

43.1277, 0.2575,
0.2917

38.5763, 0.2429,
0.2792

48.1878, 0.2727,
0.3033

34.5058, 0.2294,
0.2661

53.7724, 0.2882,
0.3140

30.8930, 0.2173,
0.2524

59.9029, 0.3037,
0.3237

27.7103, 0.2071,
0.2385

66.5977, 0.3189,
0.3325

24.9257, 0.1988,
0.2246

73.8742, 0.3337,
0.3403

■ 22.5001, 0.1926,
0.2110

■ 80.8997, 0.3447,
0.3474

■ 21.5773, 0.1904,
0.2055

■ 85.1136, 0.3434,
0.3548

■ 89.5099, 0.3421,
0.3620

■ 94.0908, 0.3408,
0.3692

Harmonies

Analogous

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



43.1277, 0.2592, 0.3140



43.1277, 0.2575, 0.2917



43.1277, 0.2696, 0.2806

Triad

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



43.1277, 0.2575, 0.2917



43.1277, 0.3516, 0.3149



43.1277, 0.3302, 0.3815

Complementary

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



43.1277, 0.2575, 0.2917



40.7816, 0.3861, 0.3632

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.



43.1277, 0.3563, 0.3790



43.1277, 0.2575, 0.2917



43.1277, 0.3693, 0.3397

Square

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



43.1277, 0.2575, 0.2917



43.1277, 0.3233, 0.2942



43.1277, 0.3709, 0.3631



43.1277, 0.3003, 0.3679

Rectangle

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



43.1277, 0.2575, 0.2917



43.1277, 0.2844, 0.2801



43.1277, 0.3709, 0.3631



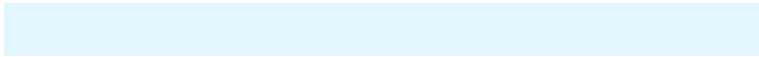
43.1277, 0.3397, 0.3824

Sweetspot

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



43.1294, 0.2575, 0.2917



88.7841, 0.2956, 0.3188



53.2269, 0.2915, 0.3977



18.7237, 0.2935, 0.3174



0.0000, 0.0000, 0.0000



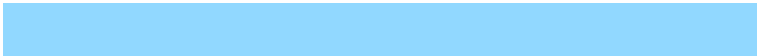
21.4041, 0.3127, 0.3290

Same Dimension

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



43.1294, 0.2575, 0.2917



62.1270, 0.2463, 0.2823



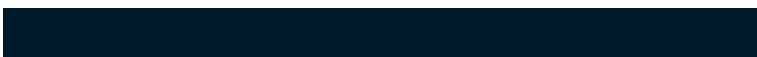
30.0062, 0.2501, 0.2382



12.6608, 0.2983, 0.3204



13.4941, 0.1910, 0.2074



0.9020, 0.1979, 0.2323

Inverse Universe

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



33.9898, 0.3440, 0.2702



46.5499, 0.3531, 0.2578



55.5617, 0.3706, 0.4058



11.9337, 0.3192, 0.3142



9.4335, 0.4370, 0.2181



0.5424, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 43.1277, 0.2575, 0.2917 looks on a white background.

Color Contrast Check

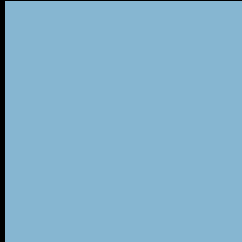
Large Text (above 18pt) WCAG AA × Fail

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 43.1277, 0.2575, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

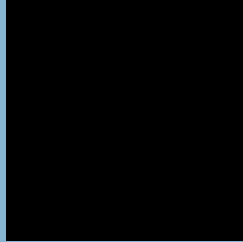
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1277, 0.2575, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 43.1277, 0.2575, 0.2917.



This preview shows how white text looks on a background with the Yxy color 43.1277, 0.2575, 0.2917.

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

43.1277, 0.2575, 0.2917

Protanopia

42.6340, 0.2858, 0.2896

Deuteranopia

42.8276, 0.2839, 0.2778



Tritanopia

43.2298, 0.2620, 0.3077

Trichromacy



Original Color

43.1277, 0.2575, 0.2917

Protanomaly

42.5264, 0.2745, 0.2900

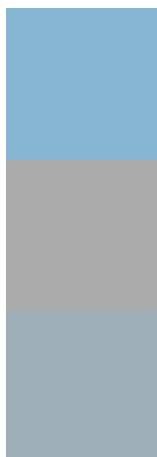
Deuteranomaly

42.6840, 0.2733, 0.2827

Tritanomaly

43.0843, 0.2600, 0.3009

Monochromacy



Original Color

43.1277, 0.2575, 0.2917

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.4318, 0.2904, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1277, 0.2575, 0.2917 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(134, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(134, 182, 209)  
}
```

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(134, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 182, 209) }
```

Border

The CSS property to change the border of an element to Yxy 43.1277, 0.2575, 0.2917 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(134, 182, 209) }
```

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

```
.border{ border-color:rgb(134, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(134, 182,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1277, 0.2575, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 182, 209) }
```

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

```
.background{ background-color: rgb(134,  
182, 209) }
```

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