

Converting Colors

$Y_{xy}(50.3827, 0.2783, 0.2950)$

Have a look what the booklet for
Yxy(50.3827, 0.2783, 0.2950)
contains.

Yxy(50.3827, 0.2783, 0.2950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3827, 0.2783, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	AABED9
RGB	170, 190, 217
RGB Percent	67%, 75%, 85%
CMY	0.3330, 0.2550, 0.1490
CMYK	0.22, 0.12, 0.00, 0.15
HSL	215°, 38%, 76%
HSV	215°, 22%, 85%
XYZ	47.5305, 50.3827, 72.8756
YIQ	187.0980, -20.5870, 4.1570

Conversions

Conversions Part 2

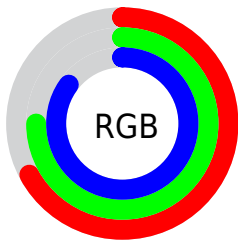
Format	Color
R _Y B	170, 184, 217
Decimal	11189977
CIE Lab	76.30, -0.99, -15.80
CIE LCh	76, 15.833, 266.414
Yxy	50.3827, 0.2783, 0.2950
Android (android.graphics.Color)	4289380057 (0xFFAABED9)
YUV	187.0980, 14.7417, -14.9949
Hunter-Lab	70.9808, -4.6882, -11.1862

Details

The Yxy color $50.3827, 0.2783, 0.2950$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $57.6481, 0.3497, 0.3608$, and the grayscale version is $49.6852, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.3003, 0.2950, 0.3199$, and $24.2819, 0.2691, 0.2865$ is the 20% darker color. If you saturate the color by 10%, you get $42.9760, 0.2614, 0.2765$, and if you desaturate by 10%, it is $58.6574, 0.2947, 0.3117$.

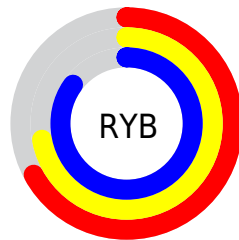
Distribution



Red (67%)

Green (75%)

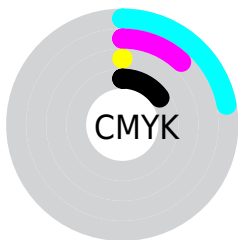
Blue (85%)



Red (67%)

Yellow (72%)

Blue (85%)

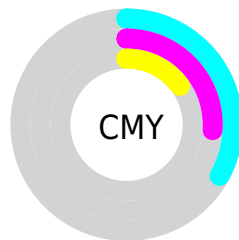


Cyan (22%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (33%)

Magenta (26%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3827, 0.2783, 0.2950 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 50.3827, 0.2783, 0.2950 by changing the saturation by 10% instead.

■ 50.3827, 0.2783,
0.2950

■ 50.3827, 0.2783,
0.2950

388.1607, 0.2951,
0.3117

■ 35.7176, 0.2742,
0.2909

■ 90.7416, 0.2843,
0.3010

■ 24.2162, 0.2691,
0.2858

117.2043, 0.2866,
0.3033

■ 15.4940, 0.2623,
0.2791

148.3681, 0.2886,
0.3052

■ 9.1668, 0.2531,
0.2699

184.6177, 0.2902,
0.3068

■ 4.8502, 0.2400,
0.2567

226.3374, 0.2917,
0.3083

■ 2.1596, 0.2197,
0.2362

273.9115, 0.2930,

■ 0.6978, 0.1820,

0.3096

0.1988

327.7244, 0.2941,
0.3107

0.0000, 0.0000,
0.0000

50.3827, 0.2783,
0.2950

50.3827, 0.2783,
0.2950

42.9760, 0.2614,
0.2765

58.6574, 0.2947,
0.3117

36.3999, 0.2444,
0.2565

67.8233, 0.3103,
0.3267

30.6233, 0.2276,
0.2351

77.9105, 0.3249,
0.3400

25.6102, 0.2118,
0.2128

88.5845, 0.3373,
0.3518

21.3214, 0.1975,
0.1903

96.2006, 0.3355,
0.3637

■ 17.7132, 0.1854,
0.1682

■ 97.7906, 0.3351,
0.3661

■ 14.7352, 0.1760,
0.1475

■ 12.6638, 0.1699,
0.1316

Harmonies

Analogous

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



50.3827, 0.2717, 0.3057



50.3827, 0.2783, 0.2950



50.3827, 0.2939, 0.2934

Triad

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



50.3827, 0.2783, 0.2950



50.3827, 0.3512, 0.3326



50.3827, 0.3093, 0.3600

Complementary

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



50.3827, 0.2783, 0.2950



57.6481, 0.3497, 0.3608

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.



50.3827, 0.3307, 0.3671



50.3827, 0.2783, 0.2950



50.3827, 0.3554, 0.3503

Square

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



50.3827, 0.2783, 0.2950



50.3827, 0.3362, 0.3147



50.3827, 0.3478, 0.3632



50.3827, 0.2892, 0.3436

Rectangle

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



50.3827, 0.2783, 0.2950



50.3827, 0.3077, 0.2973



50.3827, 0.3478, 0.3632



50.3827, 0.3165, 0.3636

Sweetspot

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



50.3847, 0.2783, 0.2950



91.7174, 0.3035, 0.3203



62.2064, 0.2930, 0.3543



19.4445, 0.3024, 0.3193



0.0000, 0.0000, 0.0000



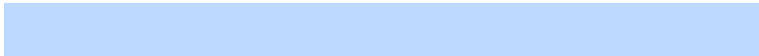
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3847, 0.2783, 0.2950



67.5256, 0.2706, 0.2867



42.7015, 0.2789, 0.2695



13.5200, 0.2982, 0.3152



7.8643, 0.1706, 0.1342



0.6778, 0.1795, 0.1663

Inverse Universe

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



47.2531, 0.3383, 0.3056



62.5259, 0.3452, 0.3003



66.8189, 0.3427, 0.3831



13.1427, 0.3226, 0.3191



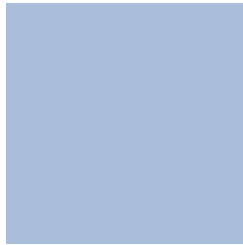
9.4177, 0.5269, 0.2676



0.6271, 0.4852, 0.2447

Previews

White Background



This preview shows how the Yxy color 50.3827, 0.2783, 0.2950 looks on a white background.

Color Contrast Check

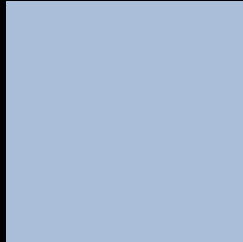
Large Text (above 18pt) WCAG AA × Fail

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 50.3827, 0.2783, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

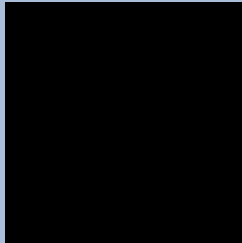
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

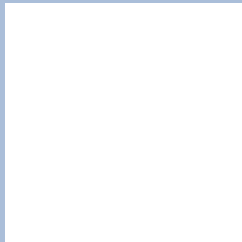
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3827, 0.2783, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 50.3827, 0.2783, 0.2950.



This preview shows how white text looks on a background with the Yxy color 50.3827, 0.2783, 0.2950.

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

50.3827, 0.2783, 0.2950

Protanopia

50.0914, 0.2889, 0.2933

Deuteranopia

50.1354, 0.2937, 0.2869



Tritanopia

50.5291, 0.2836, 0.3097

Trichromacy



Original Color

50.3827, 0.2783, 0.2950

Protanomaly

49.9635, 0.2845, 0.2930

Deuteranomaly

50.3701, 0.2876, 0.2899

Tritanomaly

50.3998, 0.2816, 0.3035

Monochromacy



Original Color

50.3827, 0.2783, 0.2950

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8674, 0.2996, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3827, 0.2783, 0.2950 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(170, 190, 217)` looks like.

```
.text, #text, p{  
    color:rgb(170, 190, 217)  
}
```

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(170, 190, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 190, 217) }
```

Border

The CSS property to change the border of an element to Yxy 50.3827, 0.2783, 0.2950 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(170, 190, 217) }
```

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

```
.border{ border-color:rgb(170, 190, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 190, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 190, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 190, 217);  
box-shadow:4px 4px 4px 4px rgb(170, 190,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3827, 0.2783, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 190, 217) }
```

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

```
.background{ background-color: rgb(170,  
190, 217) }
```

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