

Converting Colors

$Y_{xy}(45.2128, 0.2789, 0.3083)$

Have a look what the booklet for
Yxy(45.2128, 0.2789, 0.3083)
contains.

Yxy(45.3731, 0.2787, 0.3087)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3731, 0.2787, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	9BB8C7
RGB	155, 184, 199
RGB Percent	61%, 72%, 78%
CMY	0.3923, 0.2784, 0.2195
CMYK	0.22, 0.08, 0.00, 0.22
HSL	200°, 28%, 69%
HSV	200°, 22%, 78%
XYZ	40.9637, 45.3731, 60.6444
YIQ	177.0390, -22.0990, -1.4830

Conversions

Conversions Part 2

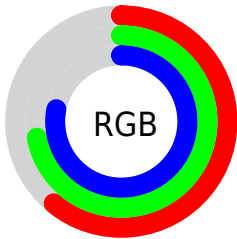
Format	Color
RYB	155, 172, 199
Decimal	10205383
CIELab	73.14, -6.53, -10.87
CIELCh	73, 12.680, 238.999
Yxy	45.3731, 0.2787, 0.3087
Android (android.graphics.Color)	4288395463 (0xFF9BB8C7)
YUV	177.0390, 10.8268, -19.3282
Hunter-Lab	67.3596, -9.3272, -6.2277

Details

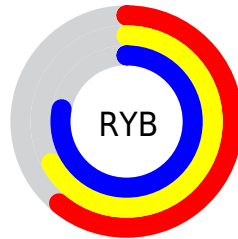
The Yxy color $45.3731, 0.2787, 0.3087$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $43.2518, 0.3532, 0.3484$, and the grayscale version is $43.9371, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2418, 0.2852, 0.3133$, and $21.1605, 0.2694, 0.3029$ is the 20% darker color. If you saturate the color by 10%, you get $40.8154, 0.2635, 0.2981$, and if you desaturate by 10%, it is $50.3941, 0.2941, 0.3184$.

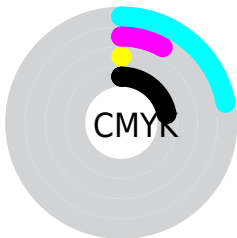
Distribution



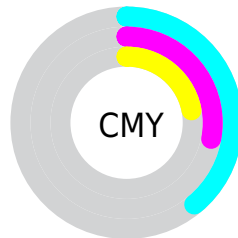
- Red (61%)
- Green (72%)
- Blue (78%)



- Red (61%)
- Yellow (67%)
- Blue (78%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)





- Cyan (39%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3731, 0.2787, 0.3087 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 45.3731, 0.2787, 0.3087 by changing the saturation by 10% instead.


 45.3731, 0.2787,
0.3087

 45.3731, 0.2787,
0.3087


368.2825, 0.2956,
0.3190

 31.7514, 0.2745,
0.3061

 83.2800, 0.2848,
0.3125

 21.1717, 0.2692,
0.3027


 108.3340, 0.2871,
0.3139

 13.2496, 0.2621,
0.2981


137.9676, 0.2891,
0.3151

 7.6006, 0.2523,
0.2916

172.5651, 0.2907,
0.3161

 3.8405, 0.2379,
0.2818

212.5109, 0.2922,
0.3170

 1.5847, 0.2148,
0.2653

258.1895, 0.2935,

 0.3473, 0.1024,

0.3178

0.2084

309.9853, 0.2946,
0.3184

0.0000, 0.0000,
0.0000

45.3731, 0.2787,
0.3087

45.3731, 0.2787,
0.3087

40.8154, 0.2635,
0.2981

50.3941, 0.2941,
0.3184

36.6976, 0.2489,
0.2867

55.8895, 0.3095,
0.3272

33.0026, 0.2352,
0.2746

61.8768, 0.3245,
0.3351

29.7094, 0.2228,
0.2619

68.3709, 0.3391,
0.3422

26.7949, 0.2121,
0.2489

75.3860, 0.3532,
0.3484

■ 24.2329, 0.2033,
0.2358

■ 79.0729, 0.3521,
0.3552

■ 21.9921, 0.1966,
0.2229

■ 82.8063, 0.3507,
0.3618

■ 20.4125, 0.1925,
0.2129

■ 86.6870, 0.3493,
0.3684

■ 90.7165, 0.3479,
0.3748

Harmonies

Analogous

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



45.3731, 0.2812, 0.3231



45.3731, 0.2787, 0.3087



45.3731, 0.2849, 0.3003

Triad

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



45.3731, 0.2787, 0.3087



45.3731, 0.3335, 0.3183



45.3731, 0.3263, 0.3603

Complementary

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



45.3731, 0.2787, 0.3087



43.2518, 0.3532, 0.3484

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.



45.3731, 0.3409, 0.3580



45.3731, 0.2787, 0.3087



45.3731, 0.3452, 0.3335

Square

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



45.3731, 0.2787, 0.3087



45.3731, 0.3163, 0.3061



45.3731, 0.3479, 0.3480



45.3731, 0.3084, 0.3536

Rectangle

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



45.3731, 0.2787, 0.3087



45.3731, 0.2934, 0.2989



45.3731, 0.3479, 0.3480



45.3731, 0.3318, 0.3606

Sweetspot

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



45.3749, 0.2787, 0.3087



92.9508, 0.3019, 0.3230



50.7114, 0.2997, 0.3692



19.7695, 0.3009, 0.3224



0.0000, 0.0000, 0.0000



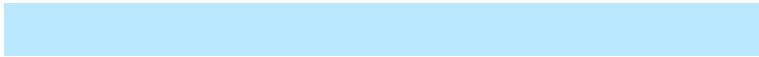
21.4041, 0.3127, 0.3290

Same Dimension

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



45.3749, 0.2787, 0.3087



75.1322, 0.2707, 0.3032



37.0393, 0.2765, 0.2783



11.4353, 0.2984, 0.3209



13.2904, 0.1930, 0.2146



0.7598, 0.2004, 0.2413

Inverse Universe

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



39.0376, 0.3290, 0.2923



62.2411, 0.3337, 0.2833



52.0692, 0.3476, 0.3751



10.7528, 0.3189, 0.3139



8.8817, 0.4290, 0.2137



0.4337, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 45.3731, 0.2787, 0.3087 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 45.3731, 0.2787, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

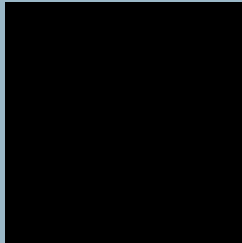
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

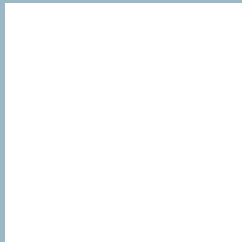
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3731, 0.2787, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 45.3731, 0.2787, 0.3087.



This preview shows how white text looks on a background with the Yxy color 45.3731, 0.2787, 0.3087.

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

45.3731, 0.2787, 0.3087

Protanopia

45.2459, 0.2994, 0.3069

Deuteranopia

44.9283, 0.3014, 0.2949



Tritanopia

45.3731, 0.2787, 0.3087

Trichromacy



Original Color

45.3731, 0.2787, 0.3087

Protanomaly

45.1741, 0.2921, 0.3079

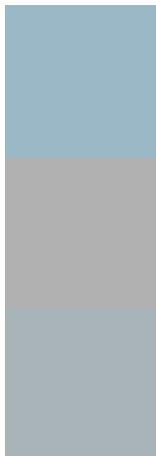
Deuteranomaly

45.1249, 0.2931, 0.3005

Tritanomaly

45.3731, 0.2787, 0.3087

Monochromacy



Original Color

45.3731, 0.2787, 0.3087

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5803, 0.2996, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3731, 0.2787, 0.3087 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(155, 184, 199)` looks like.

```
.text, #text, p{  
    color:rgb(155, 184, 199)  
}
```

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(155, 184, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 184, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.3731, 0.2787, 0.3087 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(155, 184, 199) }
```

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

```
.border{ border-color:rgb(155, 184, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 184, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 184, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 184, 199);  
box-shadow:4px 4px 4px 4px rgb(155, 184,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3731, 0.2787, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 184, 199) }
```

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

```
.background{ background-color: rgb(155,  
184, 199) }
```

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