

Converting Colors

$Yxy(45.0177, 0.2890, 0.3132)$

Have a look what the booklet for
Yxy(45.0177, 0.2890, 0.3132)
contains.

Yxy(45.1987, 0.2896, 0.3142)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.1987, 0.2896, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	A4B6C1
RGB	164, 182, 193
RGB Percent	64%, 71%, 76%
CMY	0.3570, 0.2862, 0.2430
CMYK	0.15, 0.06, 0.00, 0.24
HSL	203°, 19%, 70%
HSV	203°, 15%, 76%
XYZ	41.6599, 45.1987, 56.9947
YIQ	177.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

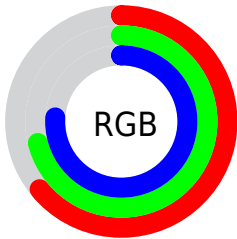
Format	Color
RYB	164, 175, 193
Decimal	10794689
CIELab	73.02, -3.91, -7.70
CIELCh	73, 8.633, 243.066
Yxy	45.1987, 0.2896, 0.3142
Android (android.graphics.Color)	4288984769 (0xFFA4B6C1)
YUV	177.8720, 7.4581, -12.1657
Hunter-Lab	67.2300, -7.0427, -3.2025

Details

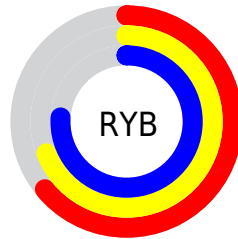
The Yxy color $45.1987, 0.2896, 0.3142$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.6716, 0.3384, 0.3434$, and the grayscale version is $44.4138, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.0487, 0.2940, 0.3175$, and $21.0387, 0.2827, 0.3087$ is the 20% darker color. If you saturate the color by 10%, you get $40.3819, 0.2741, 0.3031$, and if you desaturate by 10%, it is $50.4875, 0.3050, 0.3243$.

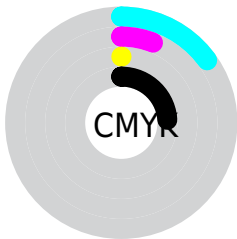
Distribution



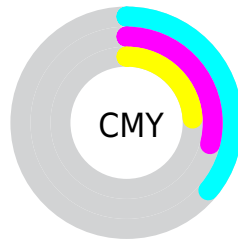
- Red (64%)
- Green (71%)
- Blue (76%)



- Red (64%)
- Yellow (69%)
- Blue (76%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1987, 0.2896, 0.3142 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 45.1987, 0.2896, 0.3142 by changing the saturation by 10% instead.

■ 45.1987, 0.2896,
0.3142

■ 45.1987, 0.2896,
0.3142

367.5777, 0.3011,
0.3217

■ 31.6140, 0.2867,
0.3123

■ 83.0185, 0.2938,
0.3170

■ 21.0668, 0.2830,
0.3098

■ 108.0224, 0.2954,
0.3180

■ 13.1728, 0.2781,
0.3065

137.6014, 0.2967,
0.3188

■ 7.5477, 0.2713,
0.3019

172.1399, 0.2978,
0.3196

■ 3.8069, 0.2611,
0.2948

212.0225, 0.2988,
0.3202

■ 1.5661, 0.2443,
0.2828

257.6333, 0.2997,

■ 0.3346, 0.1525,

0.3208

0.2292

309.3570, 0.3005,
0.3213

0.0000, 0.0000,
0.0000

45.1987, 0.2896,
0.3142

45.1987, 0.2896,
0.3142

40.3819, 0.2741,
0.3031

50.4875, 0.3050,
0.3243

36.0151, 0.2588,
0.2910

56.2580, 0.3201,
0.3334

32.0827, 0.2440,
0.2780

62.5269, 0.3347,
0.3414

28.5658, 0.2302,
0.2642

69.3080, 0.3487,
0.3486

25.4437, 0.2177,
0.2499

75.5609, 0.3578,
0.3553

■ 22.6937, 0.2069,
0.2353

■ 79.4531, 0.3560,
0.3625

■ 20.2893, 0.1982,
0.2207

■ 83.5150, 0.3544,
0.3696

■ 18.1993, 0.1916,
0.2064

■ 87.7487, 0.3527,
0.3766

■ 17.2523, 0.1887,
0.1994

■ 92.1563, 0.3511,
0.3834

Harmonies

Analogous

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



45.1987, 0.2905, 0.3236



45.1987, 0.2896, 0.3142



45.1987, 0.2947, 0.3090

Triad

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



45.1987, 0.2896, 0.3142



45.1987, 0.3283, 0.3231



45.1987, 0.3205, 0.3499

Complementary

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



45.1987, 0.2896, 0.3142



44.6716, 0.3384, 0.3434

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.



45.1987, 0.3308, 0.3493



45.1987, 0.2896, 0.3142



45.1987, 0.3354, 0.3337

Square

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



45.1987, 0.2896, 0.3142



45.1987, 0.3169, 0.3142



45.1987, 0.3364, 0.3433



45.1987, 0.3082, 0.3446

Rectangle

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



45.1987, 0.2896, 0.3142



45.1987, 0.3009, 0.3084



45.1987, 0.3364, 0.3433



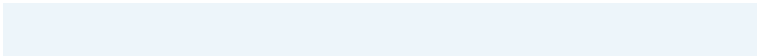
45.1987, 0.3243, 0.3504

Sweetspot

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



45.2006, 0.2896, 0.3142



90.3744, 0.3050, 0.3243



49.1201, 0.3031, 0.3538



19.2385, 0.3039, 0.3236



97.7402, 0.3127, 0.3290



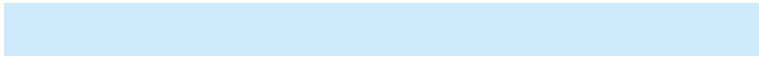
20.4902, 0.3127, 0.3290

Same Dimension

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



45.2006, 0.2896, 0.3142



78.0570, 0.2846, 0.3107



39.6862, 0.2889, 0.2947



10.7662, 0.2984, 0.3201



11.6296, 0.1892, 0.2012



0.6319, 0.1980, 0.2329

Inverse Universe

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



41.2569, 0.3241, 0.3059



69.8036, 0.3269, 0.3007



50.4798, 0.3357, 0.3611



10.1807, 0.3194, 0.3148



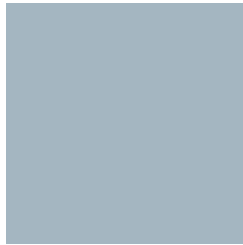
8.4563, 0.4439, 0.2219



0.3784, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 45.1987, 0.2896, 0.3142 looks on a white background.

Color Contrast Check

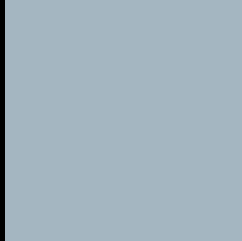
Large Text (above 18pt) WCAG AA × Fail

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 45.1987, 0.2896, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

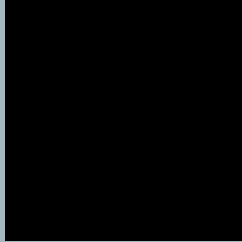
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

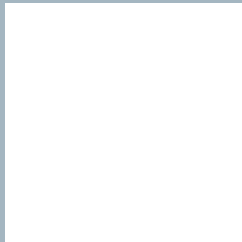
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1987, 0.2896, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 45.1987, 0.2896, 0.3142.

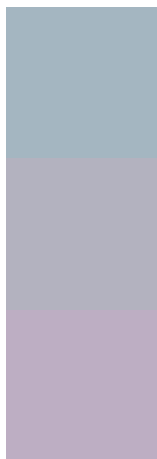


This preview shows how white text looks on a background with the Yxy color 45.1987, 0.2896, 0.3142.

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

45.1987, 0.2896, 0.3142

Protanopia

45.1861, 0.3033, 0.3121

Deuteranopia

45.0311, 0.3087, 0.3024



Tritanopia

45.4408, 0.2883, 0.3103

Trichromacy



Original Color

45.1987, 0.2896, 0.3142

Protanomaly

45.0446, 0.2984, 0.3119

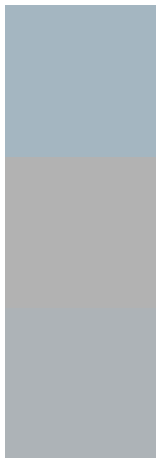
Deuteranomaly

45.0426, 0.3018, 0.3070

Tritanomaly

45.3954, 0.2890, 0.3116

Monochromacy



Original Color

45.1987, 0.2896, 0.3142

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.5433, 0.3044, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1987, 0.2896, 0.3142 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(164, 182, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 182, 193)  
}
```

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(164, 182, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 182, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.1987, 0.2896, 0.3142 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(164, 182, 193) }
```

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

```
.border{ border-color:rgb(164, 182, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 182, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 182, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 182, 193);  
box-shadow:4px 4px 4px 4px rgb(164, 182,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1987, 0.2896, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 182, 193) }
```

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

```
.background{ background-color: rgb(164,  
182, 193) }
```

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