

Converting Colors

$Y_{xy}(45.3330, 0.2936, 0.3131)$

Have a look what the booklet for
Yxy(45.3330, 0.2936, 0.3131)
contains.

Yxy(45.3330, 0.2936, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3330, 0.2936, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	A9B5C1
RGB	169, 181, 193
RGB Percent	66%, 71%, 76%
CMY	0.3372, 0.2902, 0.2432
CMYK	0.12, 0.06, 0.00, 0.24
HSL	210°, 16%, 71%
HSV	210°, 12%, 76%
XYZ	42.5096, 45.3330, 56.9450
YIQ	178.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

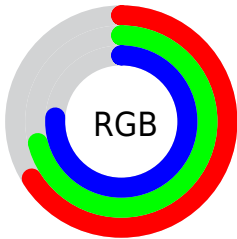
Format	Color
R_{YB}	169, 177, 193
Decimal	11122113
CIE Lab	73.11, -1.73, -7.50
CIE LCh	73, 7.694, 257.042
Yxy	45.3330, 0.2936, 0.3131
Android (android.graphics.Color)	4289312193 (0xFFA9B5C1)
YUV	178.7800, 7.0105, -8.5771
Hunter-Lab	67.3298, -5.1285, -3.0144

Details

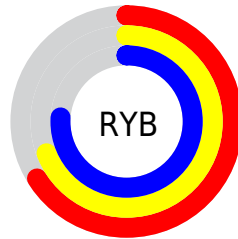
The Yxy color `45.3330, 0.2936, 0.3131` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `47.2347, 0.3330, 0.3444`, and the grayscale version is `44.9230, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.2552, 0.2971, 0.3166`, and `21.1137, 0.2879, 0.3071` is the 20% darker color. If you saturate the color by 10%, you get `39.5718, 0.2776, 0.2987`, and if you desaturate by 10%, it is `51.6839, 0.3091, 0.3261`.

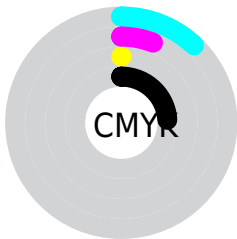
Distribution



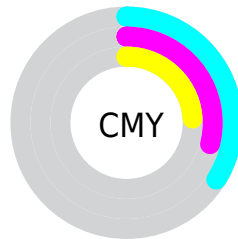
- Red (66%)
- Green (71%)
- Blue (76%)



- Red (66%)
- Yellow (69%)
- Blue (76%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)



- Cyan (34%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3330, 0.2936, 0.3131 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 45.3330, 0.2936, 0.3131 by changing the saturation by 10% instead.

■ 45.3330, 0.2936,
0.3131

■ 45.3330, 0.2936,
0.3131

368.1205, 0.3032,
0.3211

■ 31.7198, 0.2912,
0.3111

■ 83.2199, 0.2971,
0.3160

■ 21.1476, 0.2881,
0.3085

■ 108.2624, 0.2984,
0.3171

■ 13.2319, 0.2841,
0.3050

137.8834, 0.2995,
0.3180

■ 7.5884, 0.2783,
0.3001

172.4674, 0.3004,
0.3188

■ 3.8327, 0.2698,
0.2928

212.3987, 0.3013,
0.3195

■ 1.5804, 0.2558,
0.2805

258.0617, 0.3020,

■ 0.3444, 0.1866,

0.3201

0.2253

309.8409, 0.3026,
0.3206

0.0000, 0.0000,
0.0000

45.3330, 0.2936,
0.3131

45.3330, 0.2936,
0.3131

39.5718, 0.2776,
0.2987

51.6839, 0.3091,
0.3261

34.3756, 0.2614,
0.2828

58.6371, 0.3238,
0.3376

29.7257, 0.2452,
0.2657

66.2118, 0.3378,
0.3479

25.6005, 0.2296,
0.2474

74.4245, 0.3509,
0.3569

21.9763, 0.2150,
0.2283

81.2467, 0.3553,
0.3658

■ 18.8273, 0.2020,
0.2088

■ 86.7329, 0.3531,
0.3750

■ 16.1245, 0.1910,
0.1896

■ 92.5196, 0.3510,
0.3840

■ 13.8340, 0.1824,
0.1710

■ 96.6290, 0.3496,
0.3900

■ 12.3297, 0.1771,
0.1575

Harmonies

Analogous

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



45.3330, 0.2919, 0.3200



45.3330, 0.2936, 0.3131



45.3330, 0.3004, 0.3105

Triad

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



45.3330, 0.2936, 0.3131



45.3330, 0.3301, 0.3281



45.3330, 0.3146, 0.3460

Complementary

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



45.3330, 0.2936, 0.3131



47.2347, 0.3330, 0.3444

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.



45.3330, 0.3250, 0.3480



45.3330, 0.2936, 0.3131



45.3330, 0.3341, 0.3375

Square

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



45.3330, 0.2936, 0.3131



45.3330, 0.3215, 0.3192



45.3330, 0.3321, 0.3448



45.3330, 0.3039, 0.3392

Rectangle

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



45.3330, 0.2936, 0.3131



45.3330, 0.3069, 0.3115



45.3330, 0.3321, 0.3448



45.3330, 0.3182, 0.3472

Sweetspot

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



45.3349, 0.2936, 0.3131



90.6543, 0.3066, 0.3240



49.8827, 0.3028, 0.3454



19.2579, 0.3054, 0.3231



97.7402, 0.3127, 0.3290



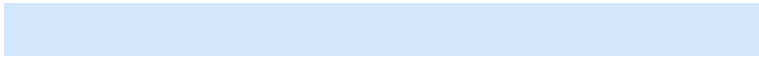
20.4902, 0.3127, 0.3290

Same Dimension

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



45.3349, 0.2936, 0.3131



78.2100, 0.2891, 0.3092



40.8112, 0.2932, 0.2973



10.5626, 0.2984, 0.3172



8.3632, 0.1777, 0.1598



0.4992, 0.1890, 0.2004

Inverse Universe

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



43.0481, 0.3243, 0.3137



73.3802, 0.3274, 0.3100



52.1501, 0.3311, 0.3588



10.1601, 0.3212, 0.3175



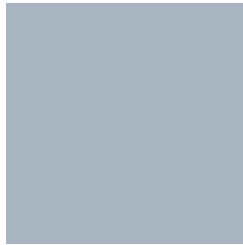
8.1265, 0.4934, 0.2492



0.3650, 0.4449, 0.2224

Previews

White Background



This preview shows how the Yxy color 45.3330, 0.2936, 0.3131 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 45.3330, 0.2936, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

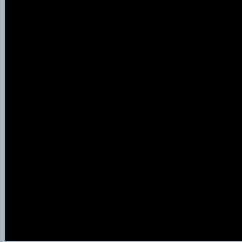
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

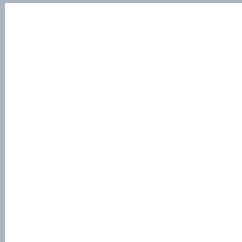
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3330, 0.2936, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 45.3330, 0.2936, 0.3131.

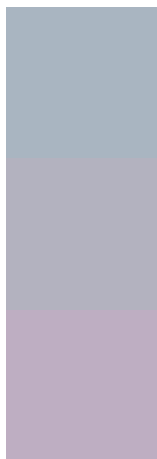


This preview shows how white text looks on a background with the Yxy color 45.3330, 0.2936, 0.3131.

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

45.3330, 0.2936, 0.3131

Protanopia

45.1861, 0.3033, 0.3121

Deuteranopia

45.1143, 0.3104, 0.3037



Tritanopia

45.4229, 0.2921, 0.3105

Trichromacy



Original Color

45.3330, 0.2936, 0.3131

Protanomaly

45.1599, 0.2992, 0.3119

Deuteranomaly

45.2844, 0.3035, 0.3071

Tritanomaly

45.3778, 0.2928, 0.3118

Monochromacy



Original Color

45.3330, 0.2936, 0.3131

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2172, 0.3053, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3330, 0.2936, 0.3131 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(169, 181, 193)` looks like.

```
.text, #text, p{  
    color:rgb(169, 181, 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(169, 181, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 181, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.3330, 0.2936, 0.3131 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(169, 181, 193) }
```

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

```
.border{ border-color:rgb(169, 181, 193) }
```

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

Here you see how a box with a 4 pixel rgb(169, 181, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 181, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 181, 193);  
box-shadow:4px 4px 4px 4px rgb(169, 181,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3330, 0.2936, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 181, 193) }
```

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

```
.background{ background-color: rgb(169,  
181, 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