

Converting Colors

$Y_{xy}(45.9864, 0.3092, 0.3270)$

Have a look what the booklet for
Yxy(45.9864, 0.3092, 0.3270)
contains.

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Color

Yxy(45.9316, 0.3086, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	B2B5B7
RGB	178, 181, 183
RGB Percent	70%, 71%, 72%
CMY	0.3020, 0.2902, 0.2824
CMYK	0.03, 0.01, 0.00, 0.28
HSL	204°, 3%, 71%
HSV	204°, 3%, 72%
XYZ	43.4268, 45.9316, 51.3635
YIQ	180.3310, -2.4300, -0.0140

Conversions

Conversions Part 2

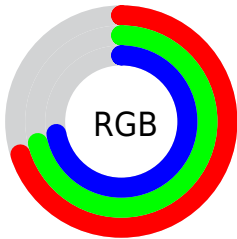
Format	Color
R_{YB}	178, 180, 183
Decimal	11711927
CIE Lab	73.50, -0.68, -1.38
CIE LCh	74, 1.536, 243.793
Yxy	45.9316, 0.3086, 0.3264
Android (android.graphics.Color)	4289902007 (0xFFB2B5B7)
YUV	180.3310, 1.3158, -2.0443
Hunter-Lab	67.7729, -4.2252, 2.5065

Details

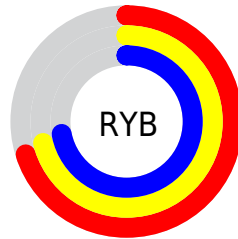
The Yxy color **45.9316, 0.3086, 0.3264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9020, 0.3169, 0.3316**, and the grayscale version is **45.8220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2928, 0.3095, 0.3270**, and **21.4100, 0.3071, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **41.0548, 0.2933, 0.3162**, and if you desaturate by 10%, it is **51.2527, 0.3235, 0.3355**.

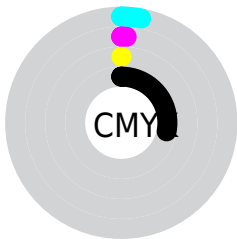
Distribution



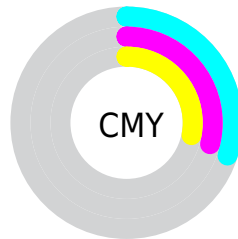
- Red (70%)
- Green (71%)
- Blue (72%)



- Red (70%)
- Yellow (71%)
- Blue (72%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)



- Cyan (30%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9316, 0.3086, 0.3264 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 45.9316, 0.3086, 0.3264 by changing the saturation by 10% instead.

■ 45.9316, 0.3086,
0.3264

■ 45.9316, 0.3086,
0.3264

370.5336, 0.3107,
0.3277

■ 32.1918, 0.3081,
0.3261

■ 84.1166, 0.3094,
0.3269

■ 21.5081, 0.3074,
0.3256

109.3307, 0.3096,
0.3271

■ 13.4959, 0.3065,
0.3251

139.1383, 0.3099,
0.3272

■ 7.7709, 0.3053,
0.3243

173.9239, 0.3101,
0.3273

■ 3.9487, 0.3034,
0.3231

214.0718, 0.3103,
0.3275

■ 1.6449, 0.3003,
0.3210

259.9665, 0.3104,

■ 0.3876, 0.2797,

0.3276

0.3082

311.9923, 0.3105,
0.3276

0.0000, 0.0000,
0.0000

45.9316, 0.3086,
0.3264

45.9316, 0.3086,
0.3264

41.0548, 0.2933,
0.3162

51.2527, 0.3235,
0.3355

36.6030, 0.2777,
0.3049

57.0253, 0.3379,
0.3437

32.5635, 0.2623,
0.2926

63.2636, 0.3515,
0.3509

28.9211, 0.2473,
0.2793

69.9795, 0.3645,
0.3572

25.6592, 0.2330,
0.2652

74.3346, 0.3655,
0.3641

■ 22.7600, 0.2200,
0.2504

■ 78.1344, 0.3635,
0.3712

■ 20.2035, 0.2086,
0.2353

■ 82.0986, 0.3616,
0.3782

■ 17.9673, 0.1991,
0.2201

■ 86.2293, 0.3597,
0.3850

■ 16.0249, 0.1918,
0.2052

■ 90.5282, 0.3578,
0.3917

Harmonies

Analogous

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



45.9316, 0.3087, 0.3281



45.9316, 0.3086, 0.3264



45.9316, 0.3096, 0.3254

Triad

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



45.9316, 0.3086, 0.3264



45.9316, 0.3155, 0.3280



45.9316, 0.3141, 0.3326

Complementary

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



45.9316, 0.3086, 0.3264



45.9020, 0.3169, 0.3316

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.



45.9316, 0.3159, 0.3326



45.9316, 0.3086, 0.3264



45.9316, 0.3167, 0.3299

Square

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



45.9316, 0.3086, 0.3264



45.9316, 0.3135, 0.3264



45.9316, 0.3169, 0.3316



45.9316, 0.3119, 0.3317

Rectangle

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



45.9316, 0.3086, 0.3264



45.9316, 0.3107, 0.3253



45.9316, 0.3169, 0.3316



45.9316, 0.3147, 0.3328

Sweetspot

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



45.9336, 0.3086, 0.3264



83.8628, 0.3112, 0.3280



46.6122, 0.3109, 0.3330



18.5335, 0.3113, 0.3281



93.3107, 0.3127, 0.3290



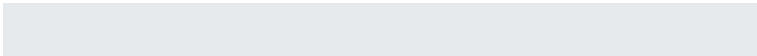
18.7317, 0.3127, 0.3290

Same Dimension

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



45.9336, 0.3086, 0.3264



81.9953, 0.3081, 0.3261



44.9491, 0.3087, 0.3232



10.2222, 0.3071, 0.3254



10.4366, 0.1879, 0.1963



0.4849, 0.1984, 0.2343

Inverse Universe

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



45.2367, 0.3146, 0.3251



80.6042, 0.3148, 0.3246



46.8962, 0.3167, 0.3348



10.0097, 0.3153, 0.3236



7.8359, 0.4495, 0.2250



0.2880, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 45.9316, 0.3086, 0.3264 looks on a white background.

Color Contrast Check

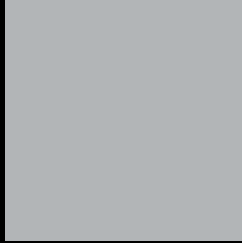
Large Text (above 18pt) WCAG AA × Fail

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 45.9316, 0.3086, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

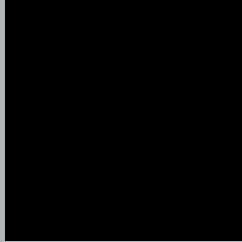
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

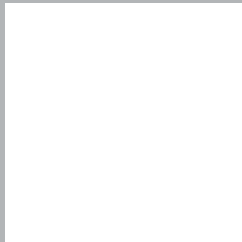
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9316, 0.3086, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 45.9316, 0.3086, 0.3264.



This preview shows how white text looks on a background with the Yxy color 45.9316, 0.3086, 0.3264.

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

45.9316, 0.3086, 0.3264

Protanopia

46.0872, 0.3137, 0.3264

Deuteranopia

45.8564, 0.3239, 0.3177



Tritanopia

45.8385, 0.3018, 0.3096

Trichromacy



Original Color

45.9316, 0.3086, 0.3264

Protanomaly

45.8437, 0.3120, 0.3264

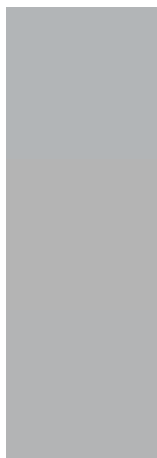
Deuteranomaly

45.7238, 0.3175, 0.3200

Tritanomaly

45.9439, 0.3040, 0.3160

Monochromacy



Original Color

45.9316, 0.3086, 0.3264

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5624, 0.3111, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9316, 0.3086, 0.3264 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(178, 181, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 181, 183)  
}
```

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(178, 181, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 181, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.9316, 0.3086, 0.3264 is called "border". The border property can be set on classes, ids or directly on the HTML element.

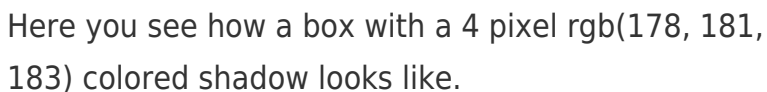
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 181, 183) }
```

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

```
.border{ border-color:rgb(178, 181, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 181, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 181, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 181, 183); box-shadow:4px 4px 4px 4px rgb(178, 181, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9316, 0.3086, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 181, 183) }
```

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

```
.background{ background-color: rgb(178,  
181, 183) }
```

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](#).

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