

Converting Colors

$Yxy(45.4247, 0.3164, 0.3214)$

Have a look what the booklet for
Yxy(45.4247, 0.3164, 0.3214)
contains.

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Color

Yxy(45.4280, 0.3166, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	BBB1B7
RGB	187, 177, 183
RGB Percent	73%, 69%, 72%
CMY	0.2666, 0.3059, 0.2824
CMYK	0.00, 0.05, 0.02, 0.27
HSL	324°, 7%, 71%
HSV	324°, 5%, 73%
XYZ	44.7635, 45.4280, 51.1966
YIQ	180.6740, 4.0340, 3.9860

Conversions

Conversions Part 2

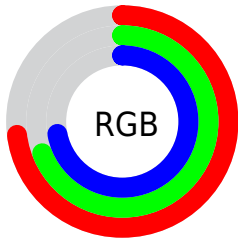
Format	Color
R_{YB}	187, 177, 183
Decimal	12300727
CIE Lab	73.17, 4.65, -1.78
CIE LCh	73, 4.976, 339.097
Yxy	45.4280, 0.3166, 0.3213
Android (android.graphics.Color)	4290490807 (0xFFBBB1B7)
YUV	180.6740, 1.1467, 5.5479
Hunter-Lab	67.4003, 0.5991, 2.1441

Details

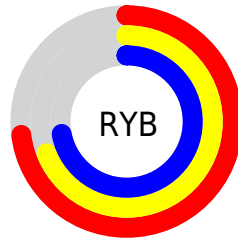
The Yxy color `45.4280, 0.3166, 0.3213` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `48.2320, 0.3090, 0.3368`, and the grayscale version is `46.0166, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.5645, 0.3157, 0.3230`, and `21.0953, 0.3180, 0.3184` is the 20% darker color. If you saturate the color by 10%, you get `38.2357, 0.3249, 0.3063`, and if you desaturate by 10%, it is `53.6535, 0.3096, 0.3355`.

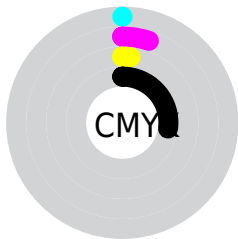
Distribution



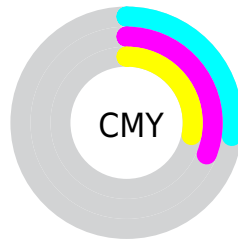
- Red (73%)
- Green (69%)
- Blue (72%)



- Red (73%)
- Yellow (69%)
- Blue (72%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (27%)





- Cyan (27%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4280, 0.3166, 0.3213 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 45.4280, 0.3166, 0.3213 by changing the saturation by 10% instead.

 45.4280, 0.3166,
0.3213

 45.4280, 0.3166,
0.3213

368.5042, 0.3147,
0.3252

 31.7947, 0.3171,
0.3203


 83.3623, 0.3159,
0.3227

 21.2047, 0.3177,
0.3191


108.4321, 0.3156,
0.3232

 13.2737, 0.3185,
0.3175


138.0828, 0.3154,
0.3237

 7.6173, 0.3197,
0.3152

172.6988, 0.3152,
0.3241

 3.8511, 0.3214,
0.3117

212.6646, 0.3151,
0.3244

 1.5906, 0.3243,
0.3060

258.3645, 0.3149,

 0.3513, 0.3427,

0.3247

0.2691

310.1829, 0.3148,
0.3249

0.0000, 0.0000,
0.0000

45.4280, 0.3166,
0.3213

45.4280, 0.3166,
0.3213

38.2357, 0.3249,
0.3063

53.6535, 0.3096,
0.3355

32.0295, 0.3348,
0.2908

62.9451, 0.3038,
0.3487

26.7674, 0.3464,
0.2752

73.3416, 0.2990,
0.3610

22.4022, 0.3598,
0.2600

84.8781, 0.2950,
0.3722

18.8824, 0.3751,
0.2463

87.2896, 0.2911,
0.3669

■ 16.1512, 0.3920,
0.2350

■ 87.6998, 0.2872,
0.3583

■ 14.1451, 0.4100,
0.2273

■ 88.1282, 0.2833,
0.3498

■ 12.7903, 0.4286,
0.2242

■ 88.5751, 0.2795,
0.3415

■ 11.9961, 0.4469,
0.2263

■ 89.0408, 0.2757,
0.3333

Harmonies

Analogous

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



45.4280, 0.3095, 0.3178



45.4280, 0.3166, 0.3213



45.4280, 0.3227, 0.3268

Triad

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



45.4280, 0.3166, 0.3213



45.4280, 0.3221, 0.3410



45.4280, 0.2995, 0.3248

Complementary

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



45.4280, 0.3166, 0.3213



48.2320, 0.3090, 0.3368

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.



45.4280, 0.3028, 0.3311



45.4280, 0.3166, 0.3213



45.4280, 0.3158, 0.3406

Square

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



45.4280, 0.3166, 0.3213



45.4280, 0.3259, 0.3382



45.4280, 0.3088, 0.3369



45.4280, 0.2997, 0.3197

Rectangle

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



45.4280, 0.3166, 0.3213



45.4280, 0.3254, 0.3310



45.4280, 0.3088, 0.3369



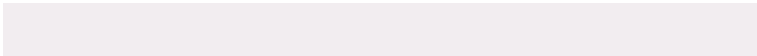
45.4280, 0.3002, 0.3268

Sweetspot

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



45.4300, 0.3166, 0.3213



86.0336, 0.3141, 0.3261



44.8585, 0.3081, 0.3159



18.9789, 0.3141, 0.3263



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.4300, 0.3166, 0.3213



80.3305, 0.3172, 0.3202



45.2265, 0.3207, 0.3277



10.1032, 0.3175, 0.3195



8.0940, 0.4534, 0.2271



0.3297, 0.4136, 0.2052

Inverse Universe

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



45.4300, 0.3166, 0.3213



80.3305, 0.3172, 0.3202



48.4400, 0.3053, 0.3303



10.1032, 0.3175, 0.3195



8.0940, 0.4534, 0.2271



0.3297, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 45.4280, 0.3166, 0.3213 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 45.4280, 0.3166, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

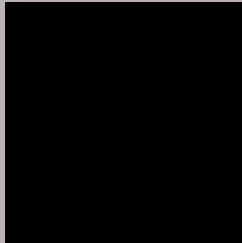
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4280, 0.3166, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 45.4280, 0.3166, 0.3213.



This preview shows how white text looks on a background with the Yxy color 45.4280, 0.3166, 0.3213.

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

45.4280, 0.3166, 0.3213

Protanopia

45.6460, 0.3113, 0.3225

Deuteranopia

45.3349, 0.3231, 0.3164



Tritanopia

45.4597, 0.3118, 0.3111

Trichromacy



Original Color

45.4280, 0.3166, 0.3213

Protanomaly

45.4918, 0.3131, 0.3212

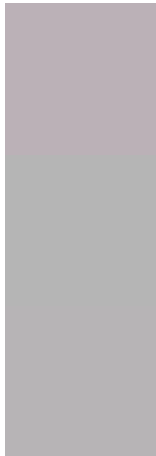
Deuteranomaly

45.3271, 0.3203, 0.3176

Tritanomaly

45.3299, 0.3142, 0.3149

Monochromacy



Original Color

45.4280, 0.3166, 0.3213

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0872, 0.3137, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4280, 0.3166, 0.3213 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(187, 177, 183)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 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(187, 177, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.4280, 0.3166, 0.3213 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(187, 177, 183) }
```

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

```
.border{ border-color:rgb(187, 177, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 183);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4280, 0.3166, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 183) }
```

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

```
.background{ background-color: rgb(187,  
177, 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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