

Converting Colors

Yxy(49.8872, 0.3068, 0.3192)

Have a look what the booklet for
Yxy(49.8872, 0.3068, 0.3192)
contains.

Yxy(50.0456, 0.3066, 0.3189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.0456, 0.3066, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBC3
RGB	187, 187, 195
RGB Percent	73%, 73%, 76%
CMY	0.2667, 0.2667, 0.2352
CMYK	0.04, 0.04, 0.00, 0.24
HSL	240°, 6%, 75%
HSV	240°, 4%, 76%
XYZ	48.1153, 50.0456, 58.7710
YIQ	187.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

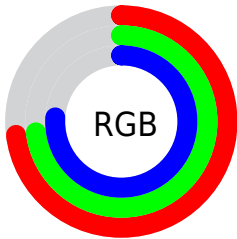
Format	Color
R _Y B	187, 187, 195
Decimal	12303299
CIE Lab	76.10, 1.52, -4.05
CIE LCh	76, 4.329, 290.558
Yxy	50.0456, 0.3066, 0.3189
Android (android.graphics.Color)	4290493379 (0xFFBBBBC3)
YUV	187.9120, 3.4944, -0.7998
Hunter-Lab	70.7429, -2.3945, 0.2637

Details

The Yxy color $50.0456, 0.3066, 0.3189$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.2329, 0.3187, 0.3389$, and the grayscale version is $50.2191, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.1841, 0.3074, 0.3201$, and $24.0416, 0.3055, 0.3171$ is the 20% darker color. If you saturate the color by 10%, you get $40.0413, 0.2903, 0.2920$, and if you desaturate by 10%, it is $61.5090, 0.3209, 0.3424$.

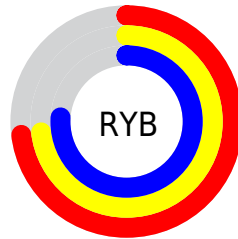
Distribution



Red (73%)

Green (73%)

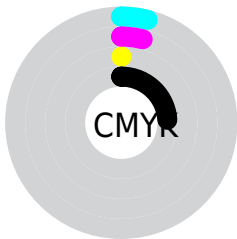
Blue (76%)



Red (73%)

Yellow (73%)

Blue (76%)

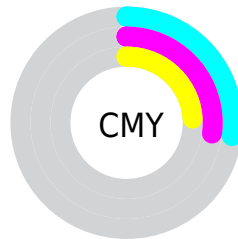


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (27%)

Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0456, 0.3066, 0.3189 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 50.0456, 0.3066, 0.3189 by changing the saturation by 10% instead.

■ 50.0456, 0.3066,
0.3189

■ 50.0456, 0.3066,
0.3189

386.8442, 0.3096,
0.3239

■ 35.4496, 0.3059,
0.3177

■ 90.2424, 0.3077,
0.3207

■ 24.0094, 0.3049,
0.3161

116.6121, 0.3081,
0.3214

■ 15.3406, 0.3036,
0.3141

147.6751, 0.3085,
0.3219

■ 9.0588, 0.3019,
0.3112

183.8159, 0.3088,
0.3224

■ 4.7795, 0.2993,
0.3071

225.4188, 0.3090,
0.3229

■ 2.1185, 0.2951,
0.3005

272.8682, 0.3092,

■ 0.6750, 0.2860,

0.3233

0.2845

326.5486, 0.3095,
0.3236

0.0000, 0.0000,
0.0000

50.0456, 0.3066,
0.3189

50.0456, 0.3066,
0.3189

40.0413, 0.2903,
0.2920

61.5090, 0.3209,
0.3424

31.4316, 0.2720,
0.2617

74.4801, 0.3332,
0.3628

24.1565, 0.2519,
0.2286

89.0129, 0.3438,
0.3803

18.1492, 0.2307,
0.1935

96.7215, 0.3484,
0.3879

13.3372, 0.2094,
0.1583

■ 9.6407, 0.1894,
0.1253

■ 6.9701, 0.1725,
0.0972

■ 5.2221, 0.1600,
0.0766

■ 4.2718, 0.1526,
0.0644

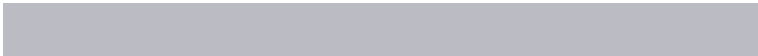
Harmonies

Analogous

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



50.0456, 0.3026, 0.3201



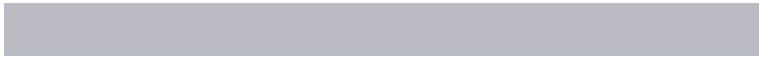
50.0456, 0.3066, 0.3189



50.0456, 0.3123, 0.3204

Triad

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



50.0456, 0.3066, 0.3189



50.0456, 0.3243, 0.3342



50.0456, 0.3073, 0.3340

Complementary

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



50.0456, 0.3066, 0.3189



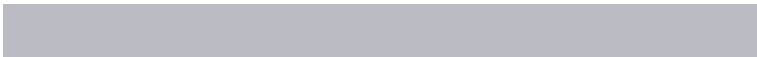
54.2329, 0.3187, 0.3389

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.



50.0456, 0.3131, 0.3378



50.0456, 0.3066, 0.3189



50.0456, 0.3229, 0.3380

Square

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



50.0456, 0.3066, 0.3189



50.0456, 0.3226, 0.3292



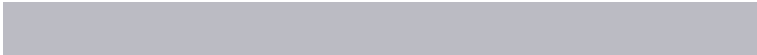
50.0456, 0.3188, 0.3393



50.0456, 0.3030, 0.3287

Rectangle

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



50.0456, 0.3066, 0.3189



50.0456, 0.3163, 0.3227



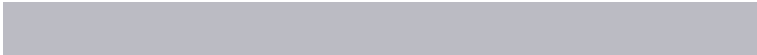
50.0456, 0.3188, 0.3393



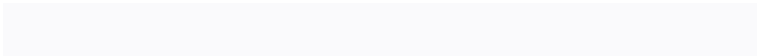
50.0456, 0.3091, 0.3355

Sweetspot

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



50.0477, 0.3066, 0.3189



95.6941, 0.3112, 0.3266



53.5434, 0.3065, 0.3291



20.9779, 0.3113, 0.3267



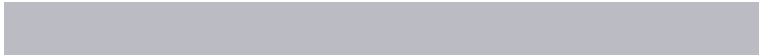
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.0477, 0.3066, 0.3189



87.7805, 0.3051, 0.3165



50.5398, 0.3098, 0.3190



10.5879, 0.3043, 0.3151



2.5655, 0.1500, 0.0601



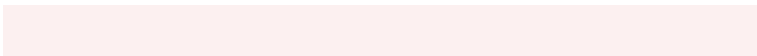
0.1116, 0.1501, 0.0605

Inverse Universe

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



50.7320, 0.3194, 0.3290



89.2802, 0.3211, 0.3290



53.7268, 0.3156, 0.3390



10.7897, 0.3220, 0.3290



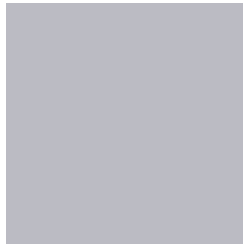
7.5412, 0.6399, 0.3299



0.3259, 0.6393, 0.3295

Previews

White Background



This preview shows how the Yxy color 50.0456, 0.3066, 0.3189 looks on a white background.

Color Contrast Check

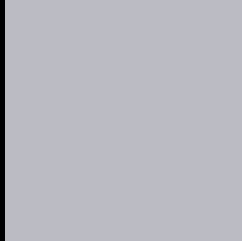
Large Text (above 18pt) WCAG AA × Fail

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 50.0456, 0.3066, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

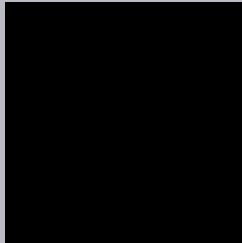
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

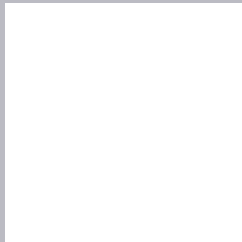
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0456, 0.3066, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 50.0456, 0.3066, 0.3189.



This preview shows how white text looks on a background with the Yxy color 50.0456, 0.3066, 0.3189.

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

50.0456, 0.3066, 0.3189

Protanopia

49.8768, 0.3083, 0.3177

Deuteranopia

49.9980, 0.3186, 0.3120



Tritanopia

50.0262, 0.3030, 0.3103

Trichromacy



Original Color

50.0456, 0.3066, 0.3189

Protanomaly

49.7493, 0.3075, 0.3177

Deuteranomaly

50.1368, 0.3142, 0.3143

Tritanomaly

49.9327, 0.3045, 0.3128

Monochromacy



Original Color

50.0456, 0.3066, 0.3189

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.4194, 0.3104, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0456, 0.3066, 0.3189 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, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 195)  
}
```

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, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 195) }
```

Border

The CSS property to change the border of an element to Yxy 50.0456, 0.3066, 0.3189 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, 187, 195) }
```

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

```
.border{ border-color:rgb(187, 187, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 195);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0456, 0.3066, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 195) }
```

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

```
.background{ background-color: rgb(187,  
187, 195) }
```

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