

Converting Colors

$Y_{xy}(50.5057, 0.3105, 0.3275)$

Have a look what the booklet for
Yxy(50.5057, 0.3105, 0.3275)
contains.

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Color

Yxy(50.6777, 0.3103, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	BBBDBE
RGB	187, 189, 190
RGB Percent	73%, 74%, 75%
CMY	0.2667, 0.2588, 0.2548
CMYK	0.02, 0.01, 0.00, 0.25
HSL	200°, 2%, 74%
HSV	200°, 2%, 75%
XYZ	47.9868, 50.6777, 55.9821
YIQ	188.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

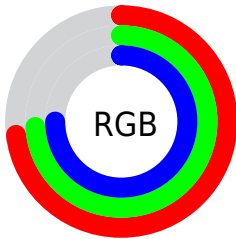
Format	Color
RYB	187, 188, 190
Decimal	12303806
CIELab	76.48, -0.50, -0.77
CIELCh	76, 0.917, 237.018
Yxy	50.6777, 0.3103, 0.3277
Android (android.graphics.Color)	4290493886 (0xFFBBDBE)
YUV	188.5160, 0.7316, -1.3295
Hunter-Lab	71.1883, -4.2555, 3.2064

Details

The Yxy color $50.6777, 0.3103, 0.3277$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $50.5135, 0.3152, 0.3303$, and the grayscale version is $50.5962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.0133, 0.3108, 0.3280$, and $24.4828, 0.3095, 0.3273$ is the 20% darker color. If you saturate the color by 10%, you get $45.7389, 0.2950, 0.3190$, and if you desaturate by 10%, it is $56.0603, 0.3253, 0.3355$.

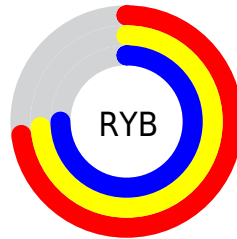
Distribution



Red (73%)

Green (74%)

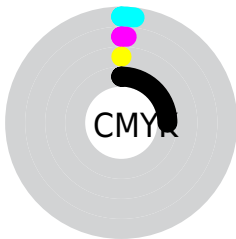
Blue (75%)



Red (73%)

Yellow (74%)

Blue (75%)

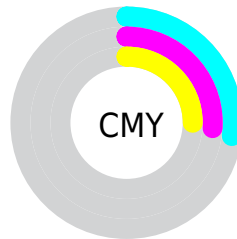


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (25%)



Cyan (27%)

Magenta (26%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6777, 0.3103, 0.3277 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 50.6777, 0.3103, 0.3277 by changing the saturation by 10% instead.

■ 50.6777, 0.3103,
0.3277

■ 50.6777, 0.3103,
0.3277

■ 389.3103, 0.3115,
0.3284

■ 35.9522, 0.3100,
0.3275

■ 91.1782, 0.3107,
0.3279

■ 24.3973, 0.3096,
0.3273

■ 117.7219, 0.3109,
0.3280

■ 15.6286, 0.3091,
0.3271

■ 148.9739, 0.3110,
0.3281

■ 9.2617, 0.3085,
0.3267

■ 185.3184, 0.3112,
0.3282

■ 4.9123, 0.3075,
0.3261

■ 227.1399, 0.3113,
0.3282

■ 2.1959, 0.3058,
0.3252

■ 274.8228, 0.3113,

■ 0.7177, 0.3014,

0.3283

0.3229

328.7515, 0.3114,
0.3283

0.0000, 0.0000,
0.0000

50.6777, 0.3103,
0.3277

50.6777, 0.3103,
0.3277

45.7389, 0.2950,
0.3190

56.0603, 0.3253,
0.3355

41.2233, 0.2796,
0.3095

61.8932, 0.3398,
0.3424

37.1184, 0.2645,
0.2991

68.1914, 0.3538,
0.3485

33.4085, 0.2499,
0.2878

73.4161, 0.3609,
0.3544

30.0765, 0.2362,
0.2759

76.7432, 0.3593,
0.3608

■ 27.1041, 0.2238,
0.2635

■ 80.1998, 0.3578,
0.3671

■ 24.4707, 0.2131,
0.2506

■ 83.7875, 0.3562,
0.3734

■ 22.1532, 0.2042,
0.2377

■ 87.5076, 0.3547,
0.3794

■ 20.1242, 0.1974,
0.2249

■ 91.3614, 0.3532,
0.3854

Harmonies

Analogous

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



50.6777, 0.3105, 0.3287



50.6777, 0.3103, 0.3277



50.6777, 0.3107, 0.3270

Triad

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



50.6777, 0.3103, 0.3277



50.6777, 0.3141, 0.3282



50.6777, 0.3138, 0.3312

Complementary

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



50.6777, 0.3103, 0.3277



50.5135, 0.3152, 0.3303

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.



50.6777, 0.3147, 0.3310



50.6777, 0.3103, 0.3277



50.6777, 0.3149, 0.3293

Square

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



50.6777, 0.3103, 0.3277



50.6777, 0.3129, 0.3273



50.6777, 0.3152, 0.3303



50.6777, 0.3125, 0.3307

Rectangle

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



50.6777, 0.3103, 0.3277



50.6777, 0.3113, 0.3269



50.6777, 0.3152, 0.3303



50.6777, 0.3141, 0.3312

Sweetspot

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



50.6799, 0.3103, 0.3277



93.3107, 0.3127, 0.3290



51.0339, 0.3118, 0.3315



20.4902, 0.3127, 0.3290



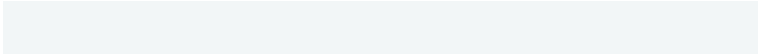
97.7402, 0.3127, 0.3290

Same Dimension

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



50.6799, 0.3103, 0.3277



91.4021, 0.3096, 0.3273



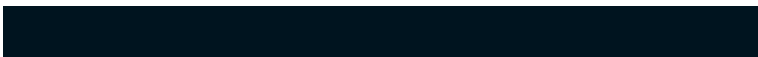
50.0374, 0.3104, 0.3258



11.0681, 0.3099, 0.3275



12.5134, 0.1933, 0.2160



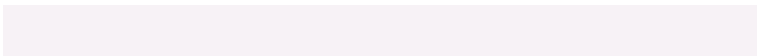
0.6065, 0.2017, 0.2462

Inverse Universe

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



50.1643, 0.3137, 0.3265



90.2164, 0.3140, 0.3258



51.1582, 0.3151, 0.3322



10.9360, 0.3139, 0.3260



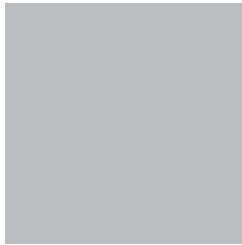
8.2929, 0.4276, 0.2129



0.3366, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 50.6777, 0.3103, 0.3277 looks on a white background.

Color Contrast Check

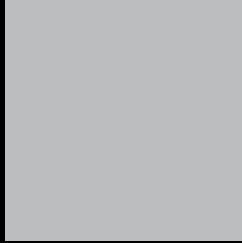
Large Text (above 18pt) WCAG AA × Fail

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 50.6777, 0.3103, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

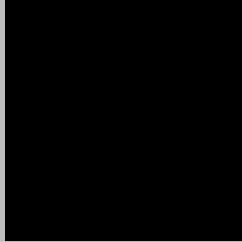
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

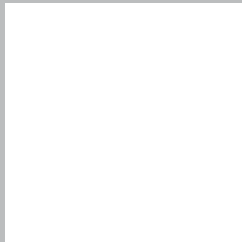
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6777, 0.3103, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 50.6777, 0.3103, 0.3277.

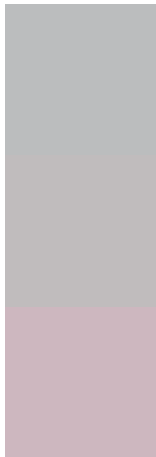


This preview shows how white text looks on a background with the Yxy color 50.6777, 0.3103, 0.3277.

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

50.6777, 0.3103, 0.3277

Protanopia

50.8470, 0.3153, 0.3278

Deuteranopia

50.6077, 0.3251, 0.3194



Tritanopia

50.6237, 0.3030, 0.3104

Trichromacy



Original Color

50.6777, 0.3103, 0.3277

Protanomaly

50.5877, 0.3136, 0.3277

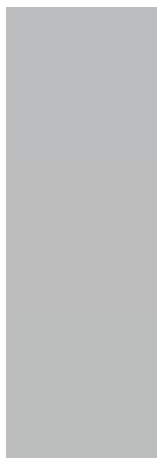
Deuteranomaly

50.4653, 0.3189, 0.3216

Tritanomaly

50.7350, 0.3052, 0.3165

Monochromacy



Original Color

50.6777, 0.3103, 0.3277

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7607, 0.3119, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6777, 0.3103, 0.3277 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, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 190)  
}
```

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, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 190) }
```

Border

The CSS property to change the border of an element to Yxy 50.6777, 0.3103, 0.3277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

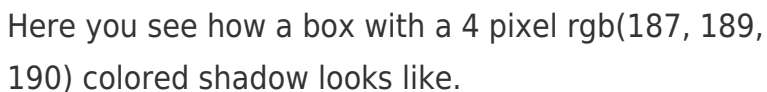
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 189, 190) }
```

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

```
.border{ border-color:rgb(187, 189, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 189, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 189, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 189, 190); box-shadow:4px 4px 4px 4px rgb(187, 189, 190) }
```

Background

The CSS property to change the background color of an element to Yxy 50.6777, 0.3103, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 190) }
```

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

```
.background{ background-color: rgb(187,  
189, 190) }
```

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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