

Converting Colors

$Y_{xy}(49.9859, 0.3174, 0.3303)$

Have a look what the booklet for
Yxy(49.9859, 0.3174, 0.3303)
contains.

Yxy(50.1622, 0.3168, 0.3303)	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(50.1622, 0.3168, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	BFBBBA
RGB	191, 187, 186
RGB Percent	75%, 73%, 73%
CMY	0.2511, 0.2666, 0.2706
CMYK	0.00, 0.02, 0.03, 0.25
HSL	12°, 4%, 74%
HSV	12°, 3%, 75%
XYZ	48.1120, 50.1622, 53.5944
YIQ	188.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

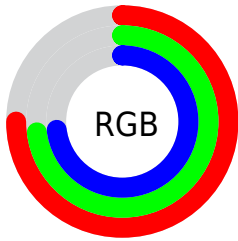
Format	Color
RYB	191, 187, 186
Decimal	12565434
CIELab	76.17, 1.20, 1.00
CIELCh	76, 1.563, 39.717
Yxy	50.1622, 0.3168, 0.3303
Android (android.graphics.Color)	4290755514 (0xFFBFBBA)
YUV	188.0820, -1.0264, 2.5591
Hunter-Lab	70.8253, -2.6883, 4.7122

Details

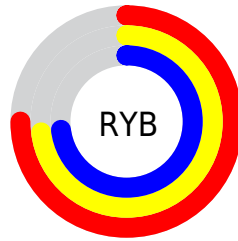
The Yxy color **50.1622, 0.3168, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9998, 0.3087, 0.3277**, and the grayscale version is **50.3417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2861, 0.3159, 0.3300**, and **24.1469, 0.3183, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **43.3083, 0.3345, 0.3355**, and if you desaturate by 10%, it is **57.8082, 0.3022, 0.3255**.

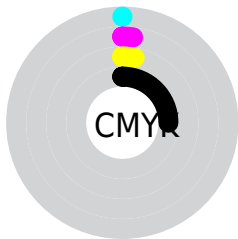
Distribution



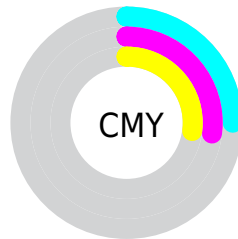
- Red (75%)
- Green (73%)
- Blue (73%)



- Red (75%)
- Yellow (73%)
- Blue (73%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (25%)



- Cyan (25%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1622, 0.3168, 0.3303 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 50.1622, 0.3168, 0.3303 by changing the saturation by 10% instead.

■ 50.1622, 0.3168,
0.3303

■ 50.1622, 0.3168,
0.3303

■ 387.2999, 0.3148,
0.3297

■ 35.5423, 0.3173,
0.3305

■ 90.4152, 0.3161,
0.3301

■ 24.0809, 0.3179,
0.3306

■ 116.8170, 0.3158,
0.3300

■ 15.3937, 0.3188,
0.3309

■ 147.9149, 0.3156,
0.3299

■ 9.0961, 0.3199,
0.3313

■ 184.0934, 0.3154,
0.3299

■ 4.8039, 0.3217,
0.3318

■ 225.7367, 0.3152,
0.3298

■ 2.1327, 0.3244,
0.3326

■ 273.2293, 0.3150,

■ 0.6829, 0.3334,

0.3298

0.3356

326.9556, 0.3149,
0.3297

0.0000, 0.0000,
0.0000

50.1622, 0.3168,
0.3303

50.1622, 0.3168,
0.3303

43.3083, 0.3345,
0.3355

57.8082, 0.3022,
0.3255

37.2146, 0.3558,
0.3411

66.2638, 0.2900,
0.3210

31.8568, 0.3813,
0.3468

75.5542, 0.2798,
0.3170

27.2067, 0.4116,
0.3524

85.2173, 0.2750,
0.3211

23.2344, 0.4468,
0.3573

89.8122, 0.2757,
0.3289

■ 19.9077, 0.4859,
0.3608

■ 17.1917, 0.5270,
0.3618

■ 15.0483, 0.5661,
0.3596

■ 13.4345, 0.5984,
0.3538

Harmonies

Analogous

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



50.1622, 0.3158, 0.3284



50.1622, 0.3168, 0.3303



50.1622, 0.3167, 0.3319

Triad

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



50.1622, 0.3168, 0.3303



50.1622, 0.3115, 0.3314



50.1622, 0.3099, 0.3254

Complementary

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



50.1622, 0.3168, 0.3303



50.9998, 0.3087, 0.3277

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.



50.1622, 0.3088, 0.3262



50.1622, 0.3168, 0.3303



50.1622, 0.3097, 0.3296

Square

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



50.1622, 0.3168, 0.3303



50.1622, 0.3136, 0.3325



50.1622, 0.3087, 0.3277



50.1622, 0.3118, 0.3256

Rectangle

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



50.1622, 0.3168, 0.3303



50.1622, 0.3160, 0.3325



50.1622, 0.3087, 0.3277



50.1622, 0.3094, 0.3256

Sweetspot

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



50.1644, 0.3168, 0.3303



91.9617, 0.3143, 0.3295



49.9022, 0.3138, 0.3240



20.2087, 0.3142, 0.3295



97.7402, 0.3127, 0.3290



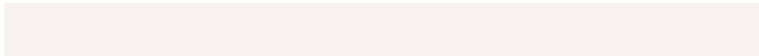
20.4902, 0.3127, 0.3290

Same Dimension

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



50.1644, 0.3168, 0.3303



89.3076, 0.3175, 0.3305



51.2167, 0.3166, 0.3334



10.6891, 0.3186, 0.3309



8.3442, 0.6148, 0.3501



0.4221, 0.5690, 0.3864

Inverse Universe

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



50.9998, 0.3087, 0.3277



91.0524, 0.3081, 0.3275



49.9441, 0.3088, 0.3246



10.9466, 0.3070, 0.3271



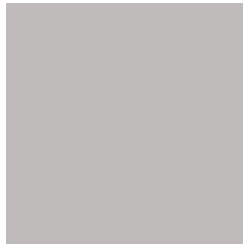
17.2696, 0.2062, 0.2622



0.7622, 0.2111, 0.2800

Previews

White Background



This preview shows how the Yxy color 50.1622, 0.3168, 0.3303 looks on a white background.

Color Contrast Check

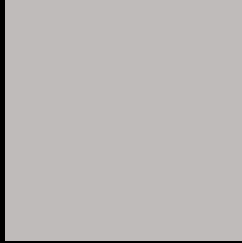
Large Text (above 18pt) WCAG AA × Fail

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 50.1622, 0.3168, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

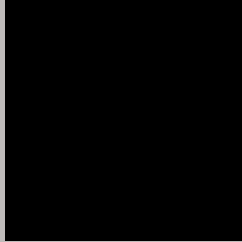
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

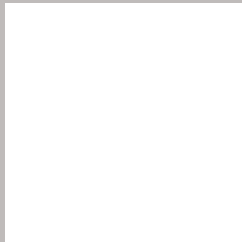
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1622, 0.3168, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 50.1622, 0.3168, 0.3303.

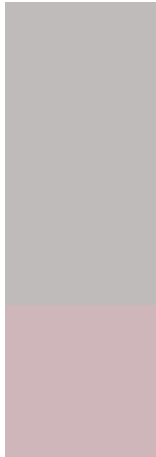


This preview shows how white text looks on a background with the Yxy color 50.1622, 0.3168, 0.3303.

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

50.1622, 0.3168, 0.3303

Protanopia

50.1622, 0.3168, 0.3303

Deuteranopia

50.1656, 0.3293, 0.3230



Tritanopia

50.2055, 0.3078, 0.3105

Trichromacy



Original Color

50.1622, 0.3168, 0.3303

Protanomaly

50.1622, 0.3168, 0.3303

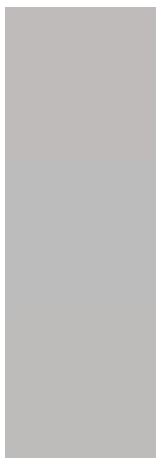
Deuteranomaly

50.2863, 0.3248, 0.3254

Tritanomaly

50.2644, 0.3108, 0.3178

Monochromacy



Original Color

50.1622, 0.3168, 0.3303

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3731, 0.3143, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1622, 0.3168, 0.3303 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(191, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 186)  
}
```

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(191, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 186) }
```

Border

The CSS property to change the border of an element to Yxy 50.1622, 0.3168, 0.3303 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(191, 187, 186) }
```

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

```
.border{ border-color:rgb(191, 187, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 186);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1622, 0.3168, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 186) }
```

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

```
.background{ background-color: rgb(191,  
187, 186) }
```

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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