

Converting Colors

$Y_{xy}(50.7852, 0.3150, 0.3320)$

Have a look what the booklet for
Yxy(50.7852, 0.3150, 0.3320)
contains.

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Color

Yxy(50.8019, 0.3142, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	BDBDBB
RGB	189, 189, 187
RGB Percent	74%, 74%, 73%
CMY	0.2589, 0.2588, 0.2666
CMYK	0.00, 0.00, 0.01, 0.26
HSL	61°, 1%, 74%
HSV	61°, 1%, 74%
XYZ	48.1507, 50.8019, 54.2960
YIQ	188.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

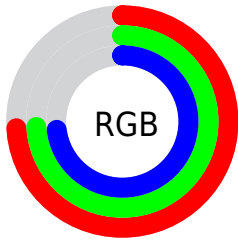
Format	Color
R _{YB}	187, 189, 187
Decimal	12434875
CIE Lab	76.56, -0.37, 0.99
CIE LCh	77, 1.054, 110.682
Yxy	50.8019, 0.3142, 0.3315
Android (android.graphics.Color)	4290624955 (0xFFBDBDBB)
YUV	188.7720, -0.8736, 0.2000
Hunter-Lab	71.2755, -4.1449, 4.7271

Details

The Yxy color `50.8019, 0.3142, 0.3315` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `49.7994, 0.3112, 0.3265`, and the grayscale version is `50.7566, 0.3127, 0.3290`.

A 20% lighter version of the original color is `91.1884, 0.3139, 0.3310`, and `24.5638, 0.3148, 0.3324` is the 20% darker color. If you saturate the color by 10%, you get `50.0029, 0.3286, 0.3559`, and if you desaturate by 10%, it is `51.7120, 0.3004, 0.3082`.

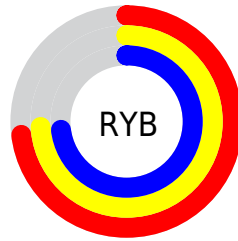
Distribution



Red (74%)

Green (74%)

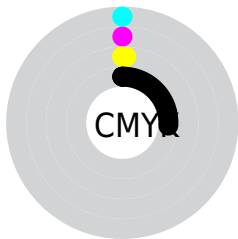
Blue (73%)



Red (73%)

Yellow (74%)

Blue (73%)

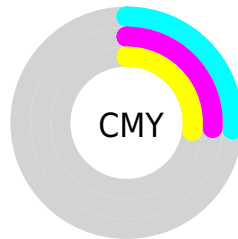


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8019, 0.3142, 0.3315 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 50.8019, 0.3142, 0.3315 by changing the saturation by 10% instead.

■ 50.8019, 0.3142,
0.3315

■ 50.8019, 0.3142,
0.3315

389.7936, 0.3135,
0.3303

■ 36.0510, 0.3144,
0.3318

■ 91.3619, 0.3139,
0.3311

■ 24.4736, 0.3146,
0.3322

117.9397, 0.3138,
0.3309

■ 15.6853, 0.3149,
0.3327

149.2287, 0.3138,
0.3308

■ 9.3017, 0.3153,
0.3334

185.6131, 0.3137,
0.3306

■ 4.9385, 0.3159,
0.3344

227.4774, 0.3136,
0.3305

■ 2.2112, 0.3169,
0.3361

275.2060, 0.3136,

■ 0.7261, 0.3199,

0.3304

0.3411

329.1833, 0.3135,
0.3304

0.0000, 0.0000,
0.0000

50.8019, 0.3142,
0.3315

50.8019, 0.3142,
0.3315

50.0029, 0.3286,
0.3559

51.7120, 0.3004,
0.3082

49.3042, 0.3434,
0.3809

52.7304, 0.2874,
0.2863

48.7037, 0.3580,
0.4057

53.8631, 0.2753,
0.2661

48.1966, 0.3720,
0.4296

54.6123, 0.2687,
0.2548

47.7778, 0.3847,
0.4515

54.6569, 0.2689,
0.2549

■ 47.4417, 0.3958,
0.4706

■ 54.7015, 0.2691,
0.2549

■ 47.1821, 0.4046,
0.4861

■ 54.7463, 0.2694,
0.2550

■ 46.9920, 0.4108,
0.4973

■ 54.7912, 0.2696,
0.2550

■ 46.8627, 0.4145,
0.5043

■ 54.8362, 0.2698,
0.2551

Harmonies

Analogous

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



50.8019, 0.3152, 0.3312



50.8019, 0.3142, 0.3315



50.8019, 0.3128, 0.3311

Triad

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



50.8019, 0.3142, 0.3315



50.8019, 0.3099, 0.3277



50.8019, 0.3140, 0.3278

Complementary

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



50.8019, 0.3142, 0.3315



49.7994, 0.3112, 0.3265

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.



50.8019, 0.3126, 0.3269



50.8019, 0.3142, 0.3315



50.8019, 0.3103, 0.3269

Square

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



50.8019, 0.3142, 0.3315



50.8019, 0.3104, 0.3290



50.8019, 0.3113, 0.3266



50.8019, 0.3151, 0.3291

Rectangle

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



50.8019, 0.3142, 0.3315



50.8019, 0.3119, 0.3306



50.8019, 0.3113, 0.3266



50.8019, 0.3136, 0.3275

Sweetspot

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



50.8041, 0.3142, 0.3315



91.1408, 0.3127, 0.3290



49.9752, 0.3144, 0.3290



19.5994, 0.3127, 0.3290



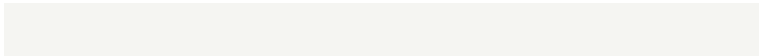
95.5105, 0.3127, 0.3290

Same Dimension

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



50.8041, 0.3142, 0.3315



90.9843, 0.3142, 0.3314



50.6781, 0.3134, 0.3315



11.2627, 0.3140, 0.3312



31.4778, 0.4162, 0.5077



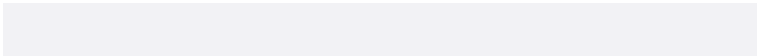
1.2359, 0.4170, 0.5071

Inverse Universe

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



49.7994, 0.3112, 0.3265



89.2419, 0.3113, 0.3266



49.9245, 0.3120, 0.3265



11.0640, 0.3114, 0.3268



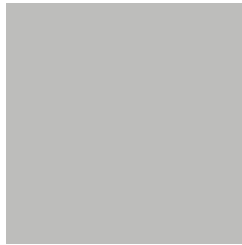
2.4907, 0.1507, 0.0604



0.1004, 0.1533, 0.0618

Previews

White Background



This preview shows how the Yxy color 50.8019, 0.3142, 0.3315 looks on a white background.

Color Contrast Check

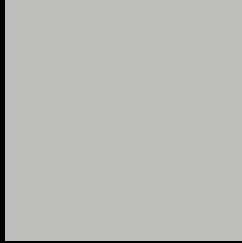
Large Text (above 18pt) WCAG AA × Fail

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 50.8019, 0.3142, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

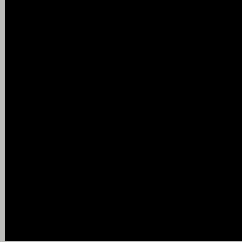
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

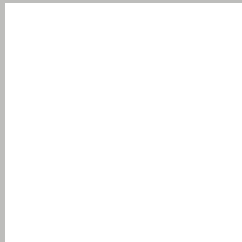
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8019, 0.3142, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 50.8019, 0.3142, 0.3315.

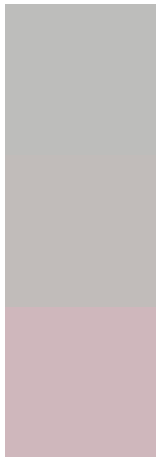


This preview shows how white text looks on a background with the Yxy color 50.8019, 0.3142, 0.3315.

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

50.8019, 0.3142, 0.3315

Protanopia

50.8491, 0.3184, 0.3315

Deuteranopia

50.7632, 0.3292, 0.3230



Tritanopia

50.8813, 0.3046, 0.3105

Trichromacy



Original Color

50.8019, 0.3142, 0.3315

Protanomaly

50.7181, 0.3176, 0.3315

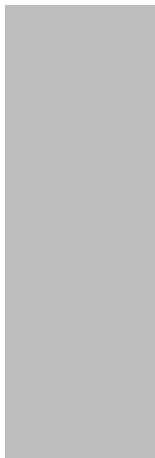
Deuteranomaly

50.6081, 0.3230, 0.3253

Tritanomaly

50.9448, 0.3075, 0.3178

Monochromacy



Original Color

50.8019, 0.3142, 0.3315

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.8448, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8019, 0.3142, 0.3315 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(189, 189, 187)` looks like.

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

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(189, 189, 187) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 50.8019, 0.3142, 0.3315 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(189, 189, 187) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 50.8019, 0.3142, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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