

Converting Colors

Yxy(50.3705, 0.3167, 0.3156)

Have a look what the booklet for
Yxy(50.3705, 0.3167, 0.3156)
contains.

Yxy(50.3632, 0.3167, 0.3156)	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(50.3632, 0.3167, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	C7B8C3
RGB	199, 184, 195
RGB Percent	78%, 72%, 76%
CMY	0.2197, 0.2784, 0.2354
CMYK	0.00, 0.08, 0.02, 0.22
HSL	316°, 12%, 75%
HSV	316°, 8%, 78%
XYZ	50.5387, 50.3632, 58.6773
YIQ	189.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

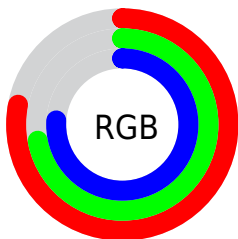
Format	Color
R _Y B	199, 184, 195
Decimal	13088963
CIE Lab	76.29, 7.26, -3.63
CIE LCh	76, 8.120, 333.437
Yxy	50.3632, 0.3167, 0.3156
Android (android.graphics.Color)	4291279043 (0xFFC7B8C3)
YUV	189.7390, 2.5937, 8.1219
Hunter-Lab	70.9670, 2.9254, 0.6545

Details

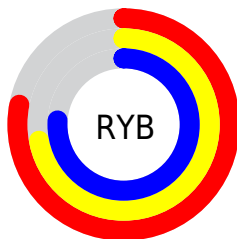
The Yxy color $50.3632, 0.3167, 0.3156$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.6619, 0.3090, 0.3428$, and the grayscale version is $51.3166, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.6085, 0.3152, 0.3175$, and $24.1754, 0.3181, 0.3126$ is the 20% darker color. If you saturate the color by 10%, you get $42.4349, 0.3228, 0.2971$, and if you desaturate by 10%, it is $59.4672, 0.3115, 0.3333$.

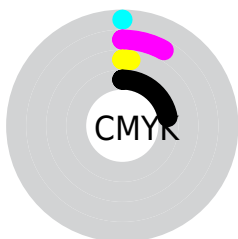
Distribution



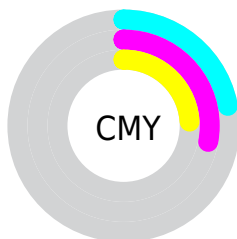
- Red (78%)
- Green (72%)
- Blue (76%)



- Red (78%)
- Yellow (72%)
- Blue (76%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (22%)





- Cyan (22%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3632, 0.3167, 0.3156 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 50.3632, 0.3167, 0.3156 by changing the saturation by 10% instead.


 50.3632, 0.3167,
0.3156

 50.3632, 0.3167,
0.3156


388.0846, 0.3148,
0.3222

 35.7021, 0.3172,
0.3140


 90.7128, 0.3160,
0.3179

 24.2042, 0.3178,
0.3120


117.1700, 0.3157,
0.3188

 15.4852, 0.3185,
0.3093


148.3281, 0.3155,
0.3196

 9.1606, 0.3196,
0.3057

184.5714, 0.3153,
0.3203

 4.8461, 0.3211,
0.3004

226.2843, 0.3152,
0.3208

 2.1572, 0.3234,
0.2921

273.8512, 0.3150,

 0.6965, 0.3293,

0.3213

0.2733

327.6565, 0.3149,
0.3218

0.0000, 0.0000,
0.0000

50.3632, 0.3167,
0.3156

50.3632, 0.3167,
0.3156

42.4349, 0.3228,
0.2971

59.4672, 0.3115,
0.3333

35.6275, 0.3299,
0.2782

69.7859, 0.3071,
0.3499

29.8913, 0.3379,
0.2594

81.3645, 0.3034,
0.3654

25.1705, 0.3470,
0.2416

88.6300, 0.3004,
0.3711

21.4043, 0.3570,
0.2256

88.9097, 0.2975,
0.3652

■ 18.5252, 0.3676,
0.2126

■ 89.1984, 0.2946,
0.3592

■ 16.4569, 0.3786,
0.2034

■ 89.4962, 0.2918,
0.3534

■ 15.1101, 0.3896,
0.1989

■ 89.8031, 0.2890,
0.3476

■ 14.3583, 0.4002,
0.1990

■ 90.1192, 0.2862,
0.3418

Harmonies

Analogous

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



50.3632, 0.3055, 0.3109



50.3632, 0.3167, 0.3156



50.3632, 0.3269, 0.3238

Triad

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



50.3632, 0.3167, 0.3156



50.3632, 0.3291, 0.3475



50.3632, 0.2925, 0.3240

Complementary

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



50.3632, 0.3167, 0.3156



54.6619, 0.3090, 0.3428

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.



50.3632, 0.2986, 0.3342



50.3632, 0.3167, 0.3156



50.3632, 0.3196, 0.3479

Square

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



50.3632, 0.3167, 0.3156



50.3632, 0.3341, 0.3421



50.3632, 0.3085, 0.3430



50.3632, 0.2917, 0.3155

Rectangle

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



50.3632, 0.3167, 0.3156



50.3632, 0.3318, 0.3302



50.3632, 0.3085, 0.3430



50.3632, 0.2940, 0.3274

Sweetspot

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



50.3654, 0.3167, 0.3156



96.7017, 0.3137, 0.3254



49.1009, 0.3045, 0.3103



20.7327, 0.3137, 0.3256



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.



50.3654, 0.3167, 0.3156



85.8329, 0.3176, 0.3127



50.0355, 0.3226, 0.3247



10.7664, 0.3178, 0.3122



9.1545, 0.4015, 0.1986



0.4450, 0.3811, 0.1873

Inverse Universe

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



50.3654, 0.3167, 0.3156



85.8329, 0.3176, 0.3127



54.9929, 0.3036, 0.3333



10.7664, 0.3178, 0.3122



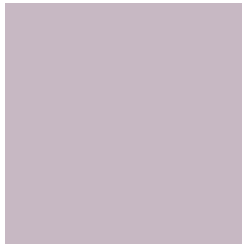
9.1545, 0.4015, 0.1986



0.4450, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 50.3632, 0.3167, 0.3156 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 50.3632, 0.3167, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

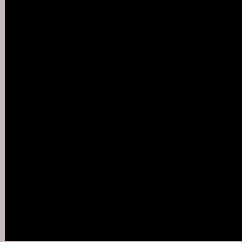
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3632, 0.3167, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 50.3632, 0.3167, 0.3156.



This preview shows how white text looks on a background with the Yxy color 50.3632, 0.3167, 0.3156.

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

50.3632, 0.3167, 0.3156

Protanopia

50.3907, 0.3067, 0.3165

Deuteranopia

50.5036, 0.3202, 0.3145



Tritanopia

50.5003, 0.3144, 0.3120

Trichromacy



Original Color

50.3632, 0.3167, 0.3156

Protanomaly

50.4408, 0.3108, 0.3166

Deuteranomaly

50.3637, 0.3193, 0.3145

Tritanomaly

50.4543, 0.3151, 0.3132

Monochromacy



Original Color

50.3632, 0.3167, 0.3156

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.1097, 0.3138, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3632, 0.3167, 0.3156 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(199, 184, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 184, 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(199, 184, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 184, 195) }
```

Border

The CSS property to change the border of an element to Yxy 50.3632, 0.3167, 0.3156 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(199, 184, 195) }
```

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

```
.border{ border-color:rgb(199, 184, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 184, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 184, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 184, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 184,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3632, 0.3167, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 184, 195) }
```

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

```
.background{ background-color: rgb(199,  
184, 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