

Converting Colors

$Y_{xy}(49.5688, 0.3173, 0.3159)$

Have a look what the booklet for
Yxy(49.5688, 0.3173, 0.3159)
contains.

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Color

Yxy(49.7230, 0.3175, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	C6B7C1
RGB	198, 183, 193
RGB Percent	78%, 72%, 76%
CMY	0.2235, 0.2823, 0.2431
CMYK	0.00, 0.08, 0.03, 0.22
HSL	320°, 12%, 75%
HSV	320°, 8%, 78%
XYZ	49.8486, 49.7230, 57.4319
YIQ	188.6250, 5.7300, 6.2900

Conversions

Conversions Part 2

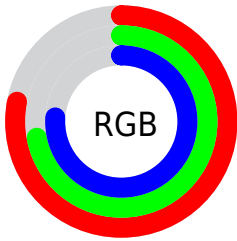
Format	Color
R _Y B	198, 183, 193
Decimal	13023169
CIE Lab	75.90, 7.10, -3.15
CIE LCh	76, 7.770, 336.096
Yxy	49.7230, 0.3175, 0.3167
Android (android.graphics.Color)	4291213249 (0xFFC6B7C1)
YUV	188.6250, 2.1569, 8.2219
Hunter-Lab	70.5145, 2.7860, 1.0703

Details

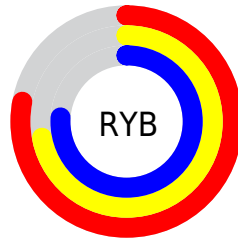
The Yxy color $49.7230, 0.3175, 0.3167$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.0850, 0.3082, 0.3416$, and the grayscale version is $50.6500, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.8326, 0.3171, 0.3193$, and $23.7880, 0.3181, 0.3125$ is the 20% darker color. If you saturate the color by 10%, you get $41.8364, 0.3248, 0.2998$, and if you desaturate by 10%, it is $58.7759, 0.3113, 0.3328$.

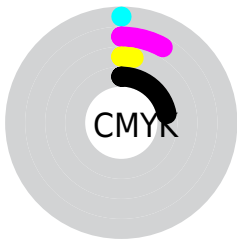
Distribution



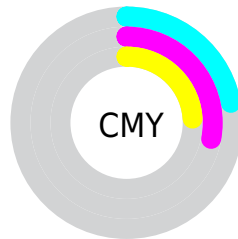
- Red (78%)
- Green (72%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7230, 0.3175, 0.3167 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 49.7230, 0.3175, 0.3167 by changing the saturation by 10% instead.

■ 49.7230, 0.3175,
0.3167

■ 49.7230, 0.3175,
0.3167

385.5817, 0.3152,
0.3227

■ 35.1934, 0.3181,
0.3152

■ 89.7643, 0.3167,
0.3189

■ 23.8119, 0.3188,
0.3134

116.0448, 0.3163,
0.3197

■ 15.1941, 0.3197,
0.3109

147.0110, 0.3161,
0.3204

■ 8.9557, 0.3210,
0.3075

183.0473, 0.3158,
0.3210

■ 4.7123, 0.3229,
0.3026

224.5381, 0.3156,
0.3215

■ 2.0795, 0.3259,
0.2948

271.8679, 0.3155,

■ 0.6530, 0.3339,

0.3220

0.2746

325.4210, 0.3153,
0.3224

0.0000, 0.0000,
0.0000

49.7230, 0.3175,
0.3167

49.7230, 0.3175,
0.3167

41.8364, 0.3248,
0.2998

58.7759, 0.3113,
0.3328

35.0619, 0.3334,
0.2824

69.0338, 0.3061,
0.3480

29.3502, 0.3434,
0.2651

80.5414, 0.3018,
0.3620

24.6463, 0.3547,
0.2486

88.6570, 0.2981,
0.3677

20.8897, 0.3674,
0.2339

89.0109, 0.2946,
0.3604

■ 18.0139, 0.3810,
0.2219

■ 89.3787, 0.2911,
0.3531

■ 15.9433, 0.3954,
0.2139

■ 89.7605, 0.2876,
0.3459

■ 14.5895, 0.4099,
0.2106

■ 90.1565, 0.2842,
0.3388

■ 13.8263, 0.4240,
0.2122

■ 90.5667, 0.2809,
0.3318

Harmonies

Analogous

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



49.7230, 0.3067, 0.3118



49.7230, 0.3175, 0.3167



49.7230, 0.3271, 0.3248

Triad

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



49.7230, 0.3175, 0.3167



49.7230, 0.3278, 0.3470



49.7230, 0.2930, 0.3234

Complementary

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



49.7230, 0.3175, 0.3167



54.0850, 0.3082, 0.3416

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.



49.7230, 0.2985, 0.3331



49.7230, 0.3175, 0.3167



49.7230, 0.3185, 0.3469

Square

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



49.7230, 0.3175, 0.3167



49.7230, 0.3331, 0.3422



49.7230, 0.3077, 0.3418



49.7230, 0.2927, 0.3155

Rectangle

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



49.7230, 0.3175, 0.3167



49.7230, 0.3315, 0.3310



49.7230, 0.3077, 0.3418



49.7230, 0.2943, 0.3266

Sweetspot

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



49.7252, 0.3175, 0.3167



96.6805, 0.3139, 0.3258



48.6057, 0.3051, 0.3102



20.7284, 0.3139, 0.3259



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.



49.7252, 0.3175, 0.3167



85.7401, 0.3186, 0.3141



49.4088, 0.3233, 0.3256



10.7544, 0.3187, 0.3137



8.9117, 0.4257, 0.2119



0.4350, 0.3986, 0.1970

Inverse Universe

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



49.7252, 0.3175, 0.3167



85.7401, 0.3186, 0.3141



54.4063, 0.3031, 0.3324



10.7544, 0.3187, 0.3137



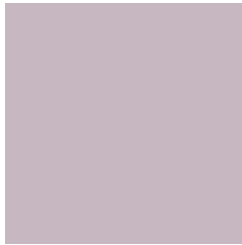
8.9117, 0.4257, 0.2119



0.4350, 0.3986, 0.1970

Previews

White Background



This preview shows how the Yxy color 49.7230, 0.3175, 0.3167 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 49.7230, 0.3175, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

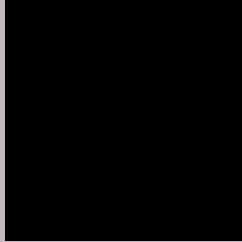
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7230, 0.3175, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 49.7230, 0.3175, 0.3167.



This preview shows how white text looks on a background with the Yxy color 49.7230, 0.3175, 0.3167.

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

49.7230, 0.3175, 0.3167

Protanopia

49.7493, 0.3075, 0.3177

Deuteranopia

49.4546, 0.3211, 0.3144



Tritanopia

49.6292, 0.3153, 0.3107

Trichromacy



Original Color

49.7230, 0.3175, 0.3167

Protanomaly

49.7994, 0.3116, 0.3178

Deuteranomaly

49.7237, 0.3201, 0.3156

Tritanomaly

49.5835, 0.3161, 0.3119

Monochromacy



Original Color

49.7230, 0.3175, 0.3167

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4648, 0.3145, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7230, 0.3175, 0.3167 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(198, 183, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 183, 193)  
}
```

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(198, 183, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 183, 193) }
```

Border

The CSS property to change the border of an element to Yxy 49.7230, 0.3175, 0.3167 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(198, 183, 193) }
```

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

```
.border{ border-color:rgb(198, 183, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 183, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 183, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 183, 193);  
box-shadow:4px 4px 4px 4px rgb(198, 183,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7230, 0.3175, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 183, 193) }
```

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

```
.background{ background-color: rgb(198,  
183, 193) }
```

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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