

Converting Colors

$Y_{xy}(49.6399, 0.3224, 0.3229)$

Have a look what the booklet for
Yxy(49.6399, 0.3224, 0.3229)
contains.

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Color

Yxy(49.6399, 0.3224, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	C7B7BC
RGB	199, 183, 188
RGB Percent	78%, 72%, 74%
CMY	0.2196, 0.2823, 0.2629
CMYK	0.00, 0.08, 0.06, 0.22
HSL	341°, 13%, 75%
HSV	341°, 8%, 78%
XYZ	49.5630, 49.6399, 54.5286
YIQ	188.3540, 7.9310, 4.9470

Conversions

Conversions Part 2

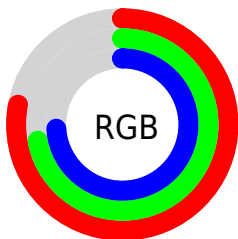
Format	Color
R _Y B	199, 183, 188
Decimal	13088700
CIE Lab	75.85, 6.55, -0.47
CIE LCh	76, 6.569, 355.927
Yxy	49.6399, 0.3224, 0.3229
Android (android.graphics.Color)	4291278780 (0xFFC7B7BC)
YUV	188.3540, -0.1745, 9.3365
Hunter-Lab	70.4556, 2.2712, 3.4319

Details

The Yxy color $49.6399, 0.3224, 0.3229$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.8169, 0.3039, 0.3352$, and the grayscale version is $50.4997, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5247, 0.3202, 0.3242$, and $23.7343, 0.3248, 0.3207$ is the 20% darker color. If you saturate the color by 10%, you get $41.4403, 0.3369, 0.3149$, and if you desaturate by 10%, it is $59.0609, 0.3106, 0.3304$.

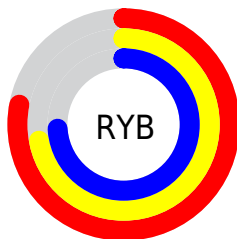
Distribution



Red (78%)

Green (72%)

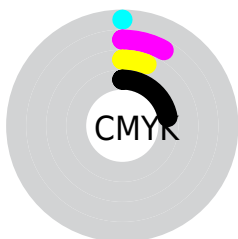
Blue (74%)



Red (78%)

Yellow (72%)

Blue (74%)

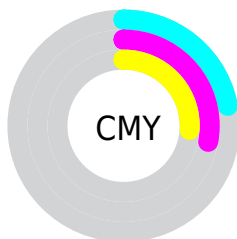


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (22%)



Cyan (22%)


Magenta (28%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6399, 0.3224, 0.3229 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 49.6399, 0.3224, 0.3229 by changing the saturation by 10% instead.


 49.6399, 0.3224,
0.3229

 49.6399, 0.3224,
0.3229


385.2561, 0.3176,
0.3259

 35.1274, 0.3236,
0.3222


 89.6411, 0.3207,
0.3240

 23.7610, 0.3251,
0.3212


115.8986, 0.3200,
0.3244

 15.1564, 0.3271,
0.3200


146.8398, 0.3195,
0.3248

 8.9292, 0.3298,
0.3182

182.8491, 0.3190,
0.3251

 4.6951, 0.3339,
0.3157

224.3111, 0.3186,
0.3253

 2.0695, 0.3406,
0.3115

271.6099, 0.3182,

 0.6474, 0.3589,

0.3255

0.2997

325.1301, 0.3179,
0.3257

0.0000, 0.0000,
0.0000

49.6399, 0.3224,
0.3229

49.6399, 0.3224,
0.3229

41.4403, 0.3369,
0.3149

59.0609, 0.3106,
0.3304

34.4055, 0.3546,
0.3065

69.7440, 0.3010,
0.3374

28.4844, 0.3761,
0.2982

81.7358, 0.2931,
0.3438

23.6191, 0.4018,
0.2903

90.1274, 0.2862,
0.3418

19.7467, 0.4318,
0.2838

90.8836, 0.2800,
0.3289

■ 16.7977, 0.4655,
0.2798

■ 14.6931, 0.5013,
0.2793

■ 13.3407, 0.5365,
0.2834

■ 12.6032, 0.5681,
0.2918

Harmonies

Analogous

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



49.6399, 0.3137, 0.3168



49.6399, 0.3224, 0.3229



49.6399, 0.3286, 0.3307

Triad

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



49.6399, 0.3224, 0.3229



49.6399, 0.3205, 0.3447



49.6399, 0.2954, 0.3196

Complementary

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



49.6399, 0.3224, 0.3229



54.8169, 0.3039, 0.3352

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.



49.6399, 0.2971, 0.3270



49.6399, 0.3224, 0.3229



49.6399, 0.3116, 0.3417

Square

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



49.6399, 0.3224, 0.3229



49.6399, 0.3274, 0.3433



49.6399, 0.3030, 0.3352



49.6399, 0.2981, 0.3148

Rectangle

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



49.6399, 0.3224, 0.3229



49.6399, 0.3303, 0.3358



49.6399, 0.3030, 0.3352



49.6399, 0.2954, 0.3218

Sweetspot

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



49.6421, 0.3224, 0.3229



96.5646, 0.3150, 0.3275



49.4546, 0.3094, 0.3093



20.7048, 0.3149, 0.3276



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.



49.6421, 0.3224, 0.3229



83.7142, 0.3252, 0.3213



50.6549, 0.3261, 0.3327



10.6902, 0.3242, 0.3219



8.0434, 0.5703, 0.2915



0.3940, 0.5098, 0.2582

Inverse Universe

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



49.6421, 0.3224, 0.3229



83.7142, 0.3252, 0.3213



53.7063, 0.3004, 0.3253



10.6902, 0.3242, 0.3219



8.0434, 0.5703, 0.2915



0.3940, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 49.6399, 0.3224, 0.3229 looks on a white background.

Color Contrast Check

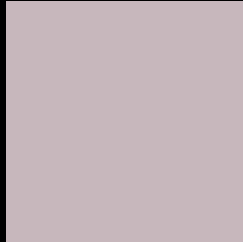
Large Text (above 18pt) WCAG AA × Fail

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 49.6399, 0.3224, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

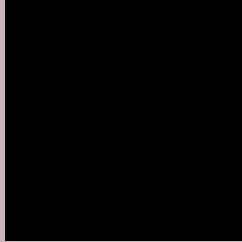
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

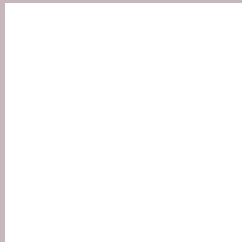
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6399, 0.3224, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 49.6399, 0.3224, 0.3229.



This preview shows how white text looks on a background with the Yxy color 49.6399, 0.3224, 0.3229.

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

49.6399, 0.3224, 0.3229

Protanopia

49.6543, 0.3121, 0.3240

Deuteranopia

49.5160, 0.3269, 0.3205



Tritanopia

49.7208, 0.3169, 0.3119

Trichromacy



Original Color

49.6399, 0.3224, 0.3229

Protanomaly

49.7095, 0.3163, 0.3240

Deuteranomaly

49.6433, 0.3251, 0.3217

Tritanomaly

49.5855, 0.3193, 0.3156

Monochromacy



Original Color

49.6399, 0.3224, 0.3229

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9551, 0.3162, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6399, 0.3224, 0.3229 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, 183, 188)` looks like.

```
.text, #text, p{  
    color:rgb(199, 183, 188)  
}
```

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, 183, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 183, 188) }
```

Border

The CSS property to change the border of an element to Yxy 49.6399, 0.3224, 0.3229 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, 183, 188) }
```

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

```
.border{ border-color:rgb(199, 183, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 183, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 183, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 183, 188); box-shadow:4px 4px 4px 4px rgb(199, 183, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6399, 0.3224, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 183, 188) }
```

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

```
.background{ background-color: rgb(199,  
183, 188) }
```

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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