

Converting Colors

$Y_{xy}(49.7223, 0.3120, 0.3277)$

Have a look what the booklet for
Yxy(49.7223, 0.3120, 0.3277)
contains.

Yxy(49.7363, 0.3119, 0.3277)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(49.7363, 0.3119, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBBC
RGB	187, 187, 188
RGB Percent	73%, 73%, 74%
CMY	0.2668, 0.2666, 0.2626
CMYK	0.01, 0.01, 0.00, 0.26
HSL	238°, 1%, 74%
HSV	238°, 1%, 74%
XYZ	47.3383, 49.7363, 54.6993
YIQ	187.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

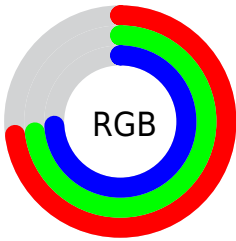
Format	Color
RYB	187, 187, 188
Decimal	12303292
CIELab	75.91, 0.18, -0.53
CIELCh	76, 0.560, 289.023
Yxy	49.7363, 0.3119, 0.3277
Android (android.graphics.Color)	4290493372 (0xFFBBBBBC)
YUV	187.1140, 0.4368, -0.1000
Hunter-Lab	70.5240, -3.6012, 3.3807

Details

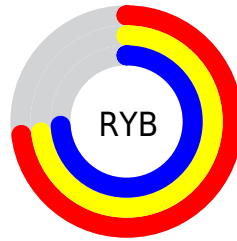
The Yxy color **49.7363, 0.3119, 0.3277** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.2458, 0.3135, 0.3303**, and the grayscale version is **49.7592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6875, 0.3121, 0.3280**, and **23.8678, 0.3117, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **40.3082, 0.2964, 0.3030**, and if you desaturate by 10%, it is **60.4499, 0.3255, 0.3493**.

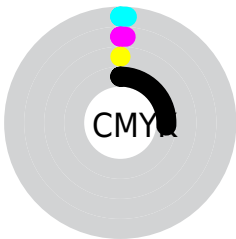
Distribution



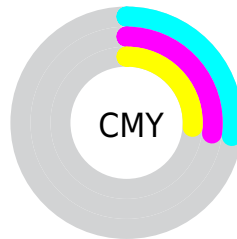
- Red (73%)
- Green (73%)
- Blue (74%)



- Red (73%)
- Yellow (73%)
- Blue (74%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (27%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7363, 0.3119, 0.3277 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 49.7363, 0.3119, 0.3277 by changing the saturation by 10% instead.

■ 49.7363, 0.3119,
0.3277

■ 49.7363, 0.3119,
0.3277

385.6338, 0.3123,
0.3284

■ 35.2039, 0.3118,
0.3275

■ 89.7840, 0.3120,
0.3279

■ 23.8200, 0.3117,
0.3273

116.0682, 0.3121,
0.3280

■ 15.2001, 0.3115,
0.3271

147.0384, 0.3122,
0.3281

■ 8.9600, 0.3113,
0.3267

183.0790, 0.3122,
0.3282

■ 4.7151, 0.3109,
0.3261

224.5745, 0.3122,
0.3282

■ 2.0811, 0.3103,
0.3252

271.9092, 0.3123,

■ 0.6540, 0.3085,

0.3283

325.4675, 0.3123,
0.3283

0.3223

0.0000, 0.0000,
0.0000

49.7363, 0.3119,
0.3277

49.7363, 0.3119,
0.3277

40.3082, 0.2964,
0.3030

60.4499, 0.3255,
0.3493

32.1113, 0.2789,
0.2750

72.4882, 0.3373,
0.3679

25.0967, 0.2597,
0.2440

85.8964, 0.3475,
0.3839

19.2099, 0.2392,
0.2107

96.4122, 0.3526,
0.3949

14.3919, 0.2181,
0.1763

■ 10.5787, 0.1978,
0.1428

■ 7.6991, 0.1797,
0.1125

■ 5.6730, 0.1653,
0.0880

■ 4.4063, 0.1557,
0.0711

Harmonies

Analogous

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



49.7363, 0.3114, 0.3279



49.7363, 0.3119, 0.3277



49.7363, 0.3126, 0.3279

Triad

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



49.7363, 0.3119, 0.3277



49.7363, 0.3142, 0.3297



49.7363, 0.3121, 0.3297

Complementary

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



49.7363, 0.3119, 0.3277



50.2458, 0.3135, 0.3303

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.



49.7363, 0.3128, 0.3302



49.7363, 0.3119, 0.3277



49.7363, 0.3141, 0.3302

Square

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



49.7363, 0.3119, 0.3277



49.7363, 0.3140, 0.3290



49.7363, 0.3136, 0.3303



49.7363, 0.3115, 0.3290

Rectangle

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



49.7363, 0.3119, 0.3277



49.7363, 0.3132, 0.3282



49.7363, 0.3136, 0.3303



49.7363, 0.3123, 0.3299

Sweetspot

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



49.7384, 0.3119, 0.3277



91.1408, 0.3127, 0.3290



50.1713, 0.3119, 0.3291



19.5994, 0.3127, 0.3290



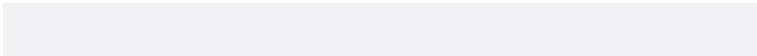
95.5105, 0.3127, 0.3290

Same Dimension

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



49.7384, 0.3119, 0.3277



89.2865, 0.3112, 0.3267



49.7825, 0.3123, 0.3277



11.0691, 0.3114, 0.3268



2.5956, 0.1508, 0.0627



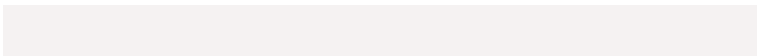
0.1207, 0.1536, 0.0730

Inverse Universe

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



49.8125, 0.3136, 0.3290



89.5278, 0.3143, 0.3289



50.2017, 0.3131, 0.3303



11.0966, 0.3141, 0.3289



7.2917, 0.6355, 0.3275



0.2875, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 49.7363, 0.3119, 0.3277 looks on a white background.

Color Contrast Check

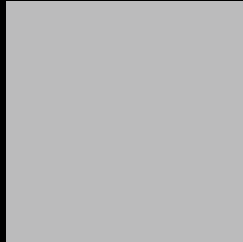
Large Text (above 18pt) WCAG AA × Fail

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 49.7363, 0.3119, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

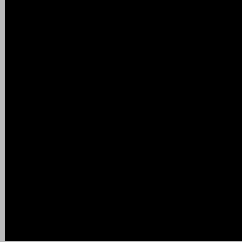
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

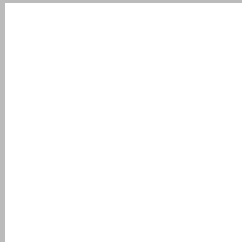
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7363, 0.3119, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 49.7363, 0.3119, 0.3277.

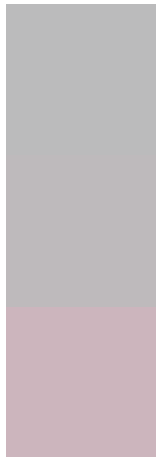


This preview shows how white text looks on a background with the Yxy color 49.7363, 0.3119, 0.3277.

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

49.7363, 0.3119, 0.3277

Protanopia

49.6958, 0.3145, 0.3265

Deuteranopia

49.5592, 0.3261, 0.3193



Tritanopia

49.6869, 0.3045, 0.3103

Trichromacy



Original Color

49.7363, 0.3119, 0.3277

Protanomaly

49.5675, 0.3137, 0.3265

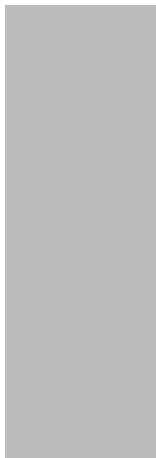
Deuteranomaly

49.5469, 0.3207, 0.3216

Tritanomaly

49.7947, 0.3067, 0.3165

Monochromacy



Original Color

49.7363, 0.3119, 0.3277

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6933, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7363, 0.3119, 0.3277 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(187, 187, 188)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 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(187, 187, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 188) }
```

Border

The CSS property to change the border of an element to Yxy 49.7363, 0.3119, 0.3277 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(187, 187, 188) }
```

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

```
.border{ border-color:rgb(187, 187, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 188);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
188) }
```

Background

The CSS property to change the background color of an element to Yxy 49.7363, 0.3119, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 188) }
```

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

```
.background{ background-color: rgb(187,  
187, 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](#).

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