

Converting Colors

$Yxy(48.8148, 0.3181, 0.3359)$

Have a look what the booklet for
Yxy(48.8148, 0.3181, 0.3359)
contains.

Yxy(48.9779, 0.3182, 0.3367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9779, 0.3182, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	BBBAB4
RGB	187, 186, 180
RGB Percent	73%, 73%, 71%
CMY	0.2668, 0.2705, 0.2941
CMYK	0.00, 0.01, 0.04, 0.27
HSL	52°, 5%, 72%
HSV	52°, 4%, 73%
XYZ	46.2868, 48.9779, 50.1998
YIQ	185.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

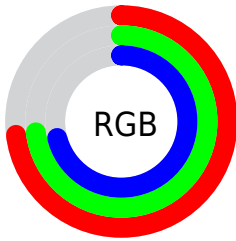
Format	Color
R _Y B	181, 187, 180
Decimal	12303028
CIE Lab	75.44, -0.75, 3.15
CIE LCh	75, 3.234, 103.409
Yxy	48.9779, 0.3182, 0.3367
Android (android.graphics.Color)	4290493108 (0xFFBBB4B4)
YUV	185.6150, -2.7682, 1.2146
Hunter-Lab	69.9842, -4.4144, 6.4601

Details

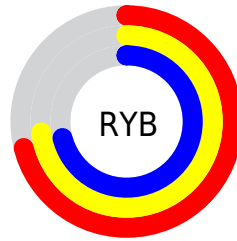
The Yxy color $48.9779, 0.3182, 0.3367$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $46.3295, 0.3072, 0.3212$, and the grayscale version is $48.8906, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.6151, 0.3170, 0.3350$, and $23.3757, 0.3202, 0.3395$ is the 20% darker color. If you saturate the color by 10%, you get $47.1878, 0.3336, 0.3580$, and if you desaturate by 10%, it is $50.8948, 0.3038, 0.3164$.

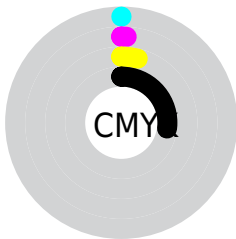
Distribution



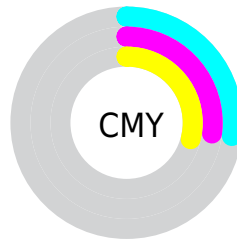
- Red (73%)
- Green (73%)
- Blue (71%)



- Red (71%)
- Yellow (73%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9779, 0.3182, 0.3367 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 48.9779, 0.3182, 0.3367 by changing the saturation by 10% instead.

■ 48.9779, 0.3182,
0.3367

■ 48.9779, 0.3182,
0.3367

382.6553, 0.3155,
0.3329

■ 34.6019, 0.3189,
0.3376

■ 88.6586, 0.3172,
0.3353

■ 23.3564, 0.3197,
0.3389

114.7322, 0.3168,
0.3348

■ 14.8569, 0.3209,
0.3405

145.4738, 0.3165,
0.3344

■ 8.7190, 0.3224,
0.3427

181.2677, 0.3163,
0.3340

■ 4.5584, 0.3248,
0.3460

222.4984, 0.3160,
0.3337

■ 1.9906, 0.3286,
0.3515

269.5504, 0.3158,

■ 0.6020, 0.3480,

0.3334

0.3783

322.8079, 0.3156,
0.3331

0.0000, 0.0000,
0.0000

48.9779, 0.3182,
0.3367

48.9779, 0.3182,
0.3367

47.1878, 0.3336,
0.3580

50.8948, 0.3038,
0.3164

45.5139, 0.3497,
0.3798

52.9361, 0.2905,
0.2972

43.9539, 0.3663,
0.4016

55.1077, 0.2784,
0.2795

42.5031, 0.3827,
0.4225

57.4132, 0.2673,
0.2631

41.1562, 0.3985,
0.4416

58.6065, 0.2675,
0.2659

■ 39.9075, 0.4130,
0.4579

■ 59.8073, 0.2678,
0.2690

■ 38.7507, 0.4254,
0.4707

■ 61.0285, 0.2681,
0.2720

■ 37.6784, 0.4354,
0.4791

■ 62.2702, 0.2684,
0.2750

■ 36.6818, 0.4425,
0.4831

■ 63.5324, 0.2687,
0.2779

Harmonies

Analogous

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



48.9779, 0.3209, 0.3352



48.9779, 0.3182, 0.3367



48.9779, 0.3141, 0.3361

Triad

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



48.9779, 0.3182, 0.3367



48.9779, 0.3042, 0.3258



48.9779, 0.3158, 0.3246

Complementary

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



48.9779, 0.3182, 0.3367



46.3295, 0.3072, 0.3212

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.



48.9779, 0.3113, 0.3221



48.9779, 0.3182, 0.3367



48.9779, 0.3046, 0.3228

Square

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



48.9779, 0.3182, 0.3367



48.9779, 0.3060, 0.3298



48.9779, 0.3072, 0.3214



48.9779, 0.3195, 0.3282

Rectangle

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



48.9779, 0.3182, 0.3367



48.9779, 0.3111, 0.3346



48.9779, 0.3072, 0.3214



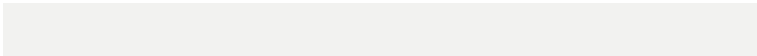
48.9779, 0.3144, 0.3236

Sweetspot

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



48.9800, 0.3182, 0.3367



88.6560, 0.3142, 0.3311



46.5475, 0.3179, 0.3277



19.5274, 0.3141, 0.3310



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



48.9800, 0.3182, 0.3367



87.6361, 0.3187, 0.3374



49.0828, 0.3161, 0.3380



11.0818, 0.3196, 0.3387



24.9483, 0.4456, 0.4844



1.0402, 0.4385, 0.4901

Inverse Universe

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



46.3295, 0.3072, 0.3212



82.4650, 0.3067, 0.3204



46.2340, 0.3093, 0.3200



10.3303, 0.3057, 0.3191



3.0415, 0.1534, 0.0722



0.1888, 0.1630, 0.1068

Previews

White Background



This preview shows how the Yxy color 48.9779, 0.3182, 0.3367 looks on a white background.

Color Contrast Check

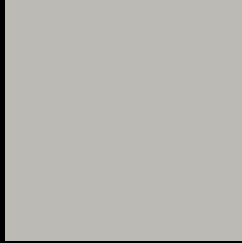
Large Text (above 18pt) WCAG AA × Fail

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 48.9779, 0.3182, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

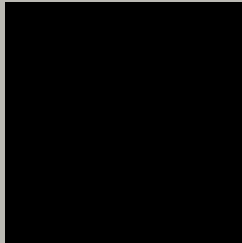
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

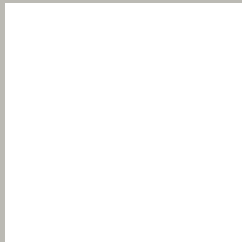
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9779, 0.3182, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 48.9779, 0.3182, 0.3367.



This preview shows how white text looks on a background with the Yxy color 48.9779, 0.3182, 0.3367.

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

48.9779, 0.3182, 0.3367

Protanopia

48.8997, 0.3217, 0.3367

Deuteranopia

48.9578, 0.3337, 0.3278



Tritanopia

48.8913, 0.3069, 0.3103

Trichromacy



Original Color

48.9779, 0.3182, 0.3367

Protanomaly

48.7714, 0.3208, 0.3367

Deuteranomaly

48.7979, 0.3273, 0.3303

Tritanomaly

48.8614, 0.3115, 0.3202

Monochromacy



Original Color

48.9779, 0.3182, 0.3367

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0176, 0.3143, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9779, 0.3182, 0.3367 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, 186, 180)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 180)  
}
```

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, 186, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 180) }
```

Border

The CSS property to change the border of an element to Yxy 48.9779, 0.3182, 0.3367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

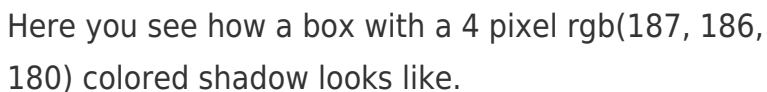
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 186, 180) }
```

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

```
.border{ border-color:rgb(187, 186, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 186, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 186, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 186, 180); box-shadow:4px 4px 4px 4px rgb(187, 186, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9779, 0.3182, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 180) }
```

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

```
.background{ background-color: rgb(187,  
186, 180) }
```

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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