

Converting Colors

$Y_{xy}(46.7039, 0.3054, 0.3400)$

Have a look what the booklet for
Yxy(46.7039, 0.3054, 0.3400)
contains.

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Color

Yxy(46.7672, 0.3048, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	A9BAB2
RGB	169, 186, 178
RGB Percent	66%, 73%, 70%
CMY	0.3371, 0.2706, 0.3019
CMYK	0.09, 0.00, 0.04, 0.27
HSL	152°, 11%, 70%
HSV	152°, 9%, 73%
XYZ	41.9624, 46.7672, 48.9424
YIQ	180.0050, -7.5640, -6.0920

Conversions

Conversions Part 2

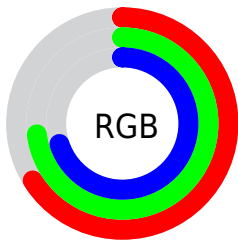
Format	Color
RYB	169, 180, 186
Decimal	11123378
CIELab	74.04, -7.38, 2.04
CIELCh	74, 7.658, 164.567
Yxy	46.7672, 0.3048, 0.3397
Android (android.graphics.Color)	4289313458 (0xFFA9BAB2)
YUV	180.0050, -0.9885, -9.6514
Hunter-Lab	68.3865, -10.1477, 5.4383

Details

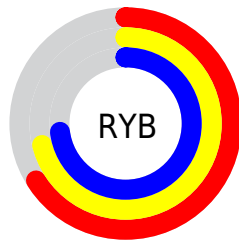
The Yxy color **46.7672, 0.3048, 0.3397** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.9997, 0.3214, 0.3185**, and the grayscale version is **45.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2921, 0.3059, 0.3373**, and **22.0376, 0.3031, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **44.5155, 0.2964, 0.3527**, and if you desaturate by 10%, it is **49.3379, 0.3135, 0.3280**.

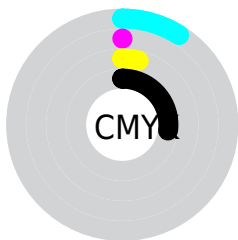
Distribution



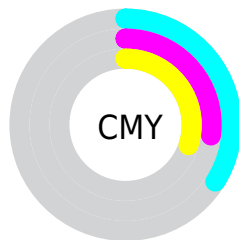
- Red (66%)
- Green (73%)
- Blue (70%)



- Red (66%)
- Yellow (71%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (34%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7672, 0.3048, 0.3397 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 46.7672, 0.3048, 0.3397 by changing the saturation by 10% instead.

 46.7672, 0.3048,
0.3397


 46.7672, 0.3048,
0.3397

373.8845, 0.3088,
0.3343

 32.8517, 0.3038,
0.3411


 85.3660, 0.3063,
0.3377

 22.0128, 0.3025,
0.3428


 110.8181, 0.3068,
0.3370

 13.8663, 0.3008,
0.3452

140.8845, 0.3073,
0.3364

 8.0278, 0.2984,
0.3485

175.9495, 0.3076,
0.3359

 4.1127, 0.2947,
0.3535

216.3976, 0.3080,
0.3354

 1.7368, 0.2885,
0.3620

262.6133, 0.3083,

 0.4473, 0.2363,

0.3350

0.4314

314.9808, 0.3085,
0.3346

0.0000, 0.0000,
0.0000

46.7672, 0.3048,
0.3397

46.7672, 0.3048,
0.3397

44.5155, 0.2964,
0.3527

49.3379, 0.3135,
0.3280

42.5641, 0.2884,
0.3671

52.2337, 0.3222,
0.3176

40.9016, 0.2812,
0.3827

55.4679, 0.3308,
0.3085

39.5131, 0.2750,
0.3995

59.0511, 0.3392,
0.3004

38.3828, 0.2703,
0.4172

61.6368, 0.3416,
0.2926

■ 37.4929, 0.2672,
0.4354

■ 62.1174, 0.3346,
0.2841

■ 36.8233, 0.2660,
0.4538

■ 62.6228, 0.3277,
0.2758

■ 36.3507, 0.2669,
0.4718

■ 63.1531, 0.3211,
0.2677

■ 36.0329, 0.2694,
0.4892

■ 63.5960, 0.3159,
0.2614

Harmonies

Analogous

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



46.7672, 0.3155, 0.3461



46.7672, 0.3048, 0.3397



46.7672, 0.2964, 0.3304

Triad

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



46.7672, 0.3048, 0.3397



46.7672, 0.2999, 0.3108



46.7672, 0.3336, 0.3366

Complementary

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



46.7672, 0.3048, 0.3397



41.9997, 0.3214, 0.3185

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.



46.7672, 0.3293, 0.3274



46.7672, 0.3048, 0.3397



46.7672, 0.3097, 0.3127

Square

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



46.7672, 0.3048, 0.3397



46.7672, 0.2935, 0.3138



46.7672, 0.3205, 0.3187



46.7672, 0.3322, 0.3441

Rectangle

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



46.7672, 0.3048, 0.3397



46.7672, 0.2931, 0.3239



46.7672, 0.3205, 0.3187



46.7672, 0.3328, 0.3336

Sweetspot

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



46.7692, 0.3048, 0.3397



87.5344, 0.3101, 0.3325



47.3557, 0.3186, 0.3516



19.1929, 0.3094, 0.3334



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.



46.7692, 0.3048, 0.3397



83.8889, 0.3030, 0.3423



46.9801, 0.2989, 0.3286



10.1375, 0.3046, 0.3400



24.2414, 0.2690, 0.4884



0.8670, 0.2564, 0.4432

Inverse Universe

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



41.9997, 0.3214, 0.3185



73.4388, 0.3236, 0.3161



41.7961, 0.3283, 0.3294



9.0806, 0.3216, 0.3183



7.5062, 0.5056, 0.2559



0.2771, 0.4459, 0.2230

Previews

White Background



This preview shows how the Yxy color 46.7672, 0.3048, 0.3397 looks on a white background.

Color Contrast Check

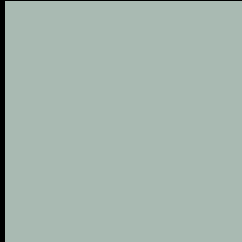
Large Text (above 18pt) WCAG AA × Fail

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 46.7672, 0.3048, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

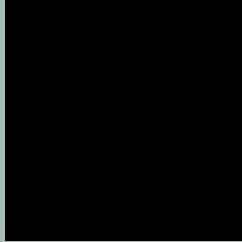
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

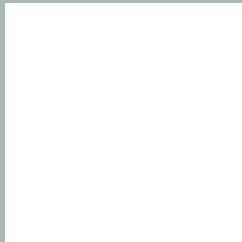
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7672, 0.3048, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 46.7672, 0.3048, 0.3397.



This preview shows how white text looks on a background with the Yxy color 46.7672, 0.3048, 0.3397.

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

46.7672, 0.3048, 0.3397

Protanopia

46.7077, 0.3227, 0.3368

Deuteranopia

46.6253, 0.3307, 0.3241



Tritanopia

46.7148, 0.2924, 0.3094

Trichromacy



Original Color

46.7672, 0.3048, 0.3397

Protanomaly

46.7049, 0.3157, 0.3382

Deuteranomaly

46.7160, 0.3213, 0.3303

Tritanomaly

46.7005, 0.2967, 0.3197

Monochromacy



Original Color

46.7672, 0.3048, 0.3397

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9407, 0.3100, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7672, 0.3048, 0.3397 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(169, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(169, 186, 178)  
}
```

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(169, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 186, 178) }
```

Border

The CSS property to change the border of an element to Yxy 46.7672, 0.3048, 0.3397 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(169, 186, 178) }
```

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

```
.border{ border-color:rgb(169, 186, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(169, 186,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7672, 0.3048, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 186, 178) }
```

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

```
.background{ background-color: rgb(169,  
186, 178) }
```

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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