

Converting Colors

$Yxy(45.8746, 0.3116, 0.3393)$

Have a look what the booklet for
Yxy(45.8746, 0.3116, 0.3393)
contains.

Yxy(45.9608, 0.3114, 0.3397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.9608, 0.3114, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	AEB7AF
RGB	174, 183, 175
RGB Percent	68%, 72%, 69%
CMY	0.3175, 0.2824, 0.3137
CMYK	0.05, 0.00, 0.04, 0.28
HSL	126°, 6%, 70%
HSV	126°, 5%, 72%
XYZ	42.1319, 45.9608, 47.2055
YIQ	179.3970, -2.7960, -4.3960

Conversions

Conversions Part 2

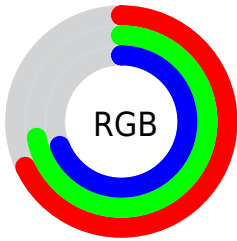
Format	Color
RYB	174, 182, 183
Decimal	11450287
CIELab	73.52, -4.63, 2.97
CIELCh	74, 5.500, 147.260
Yxy	45.9608, 0.3114, 0.3397
Android (android.graphics.Color)	4289640367 (0xFFFAEB7AF)
YUV	179.3970, -2.1677, -4.7332
Hunter-Lab	67.7944, -7.7086, 6.1722

Details

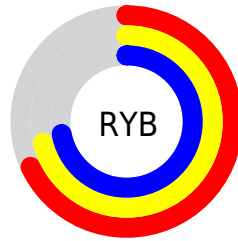
The Yxy color `45.9608, 0.3114, 0.3397` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `43.7306, 0.3141, 0.3185`, and the grayscale version is `45.3184, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.1042, 0.3116, 0.3383`, and `21.5329, 0.3110, 0.3419` is the 20% darker color. If you saturate the color by 10%, you get `43.3981, 0.3086, 0.3638`, and if you desaturate by 10%, it is `48.8914, 0.3141, 0.3186`.

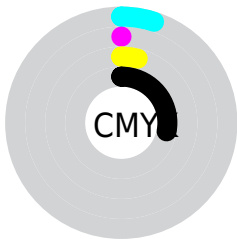
Distribution



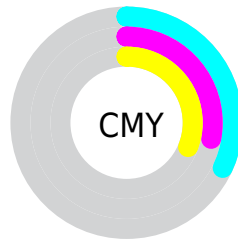
- Red (68%)
- Green (72%)
- Blue (69%)



- Red (68%)
- Yellow (71%)
- Blue (72%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (32%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9608, 0.3114, 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 45.9608, 0.3114, 0.3397 by changing the saturation by 10% instead.

■ 45.9608, 0.3114,
0.3397

■ 45.9608, 0.3114,
0.3397

370.6510, 0.3121,
0.3343

■ 32.2149, 0.3112,
0.3411

■ 84.1603, 0.3117,
0.3377

■ 21.5257, 0.3110,
0.3428

109.3827, 0.3117,
0.3370

■ 13.5088, 0.3107,
0.3452

139.1994, 0.3118,
0.3364

■ 7.7798, 0.3102,
0.3486

173.9948, 0.3119,
0.3358

■ 3.9544, 0.3095,
0.3537

214.1533, 0.3120,
0.3354

■ 1.6481, 0.3082,
0.3624

260.0592, 0.3120,

■ 0.3897, 0.2982,

0.3350

0.4513

312.0970, 0.3120,
0.3346

0.0000, 0.0000,
0.0000

45.9608, 0.3114,
0.3397

45.9608, 0.3114,
0.3397

43.3981, 0.3086,
0.3638

48.8914, 0.3141,
0.3186

41.1833, 0.3058,
0.3908

52.1975, 0.3165,
0.3002

39.3029, 0.3031,
0.4205

55.8938, 0.3188,
0.2843

37.7409, 0.3006,
0.4523

59.9926, 0.3210,
0.2706

36.4793, 0.2985,
0.4850

62.3452, 0.3160,
0.2585

■ 35.4989, 0.2970,
0.5167

■ 34.7779, 0.2963,
0.5455

■ 34.2913, 0.2965,
0.5692

■ 34.0093, 0.2975,
0.5862

Harmonies

Analogous

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



45.9608, 0.3191, 0.3424



45.9608, 0.3114, 0.3397



45.9608, 0.3041, 0.3340

Triad

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



45.9608, 0.3114, 0.3397



45.9608, 0.3004, 0.3167



45.9608, 0.3265, 0.3307

Complementary

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



45.9608, 0.3114, 0.3397



43.7306, 0.3141, 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.



45.9608, 0.3213, 0.3240



45.9608, 0.3114, 0.3397



45.9608, 0.3062, 0.3160

Square

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



45.9608, 0.3114, 0.3397



45.9608, 0.2978, 0.3207



45.9608, 0.3139, 0.3187



45.9608, 0.3279, 0.3371

Rectangle

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



45.9608, 0.3114, 0.3397



45.9608, 0.3005, 0.3294



45.9608, 0.3139, 0.3187



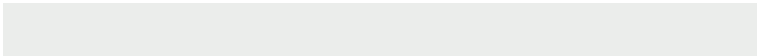
45.9608, 0.3251, 0.3285

Sweetspot

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



45.9628, 0.3114, 0.3397



84.2798, 0.3124, 0.3312



46.8798, 0.3190, 0.3408



18.6208, 0.3125, 0.3311



93.3107, 0.3127, 0.3290



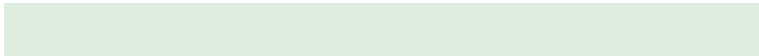
18.7317, 0.3127, 0.3290

Same Dimension

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



45.9628, 0.3114, 0.3397



81.7369, 0.3111, 0.3424



46.1391, 0.3080, 0.3338



10.2415, 0.3110, 0.3434



23.6657, 0.2975, 0.5911



0.8395, 0.2890, 0.5603

Inverse Universe

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



43.7306, 0.3141, 0.3185



76.7977, 0.3144, 0.3159



43.5509, 0.3177, 0.3243



9.5783, 0.3145, 0.3150



8.8825, 0.3496, 0.1699



0.3179, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 45.9608, 0.3114, 0.3397 looks on a white background.

Color Contrast Check

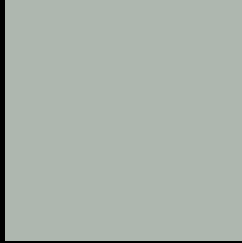
Large Text (above 18pt) WCAG AA × Fail

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 45.9608, 0.3114, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

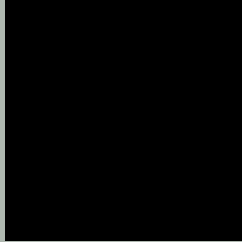
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

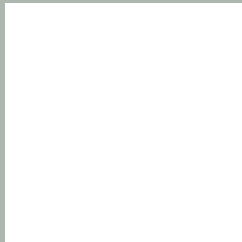
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9608, 0.3114, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 45.9608, 0.3114, 0.3397.



This preview shows how white text looks on a background with the Yxy color 45.9608, 0.3114, 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

45.9608, 0.3114, 0.3397

Protanopia

45.9739, 0.3227, 0.3382

Deuteranopia

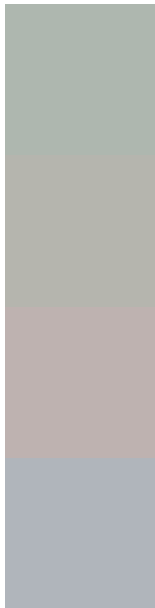
45.9764, 0.3325, 0.3265



Tritanopia

45.8847, 0.2993, 0.3108

Trichromacy



Original Color

45.9608, 0.3114, 0.3397

Protanomaly

45.9275, 0.3183, 0.3383

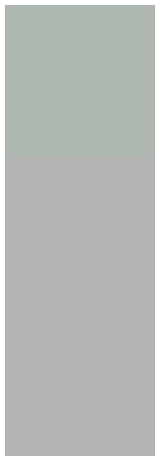
Deuteranomaly

45.9225, 0.3249, 0.3316

Tritanomaly

45.8657, 0.3038, 0.3211

Monochromacy



Original Color

45.9608, 0.3114, 0.3397

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2040, 0.3117, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9608, 0.3114, 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(174, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(174, 183, 175)  
}
```

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(174, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 45.9608, 0.3114, 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(174, 183, 175) }
```

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

```
.border{ border-color:rgb(174, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9608, 0.3114, 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(174, 183, 175) }
```

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

```
.background{ background-color: rgb(174,  
183, 175) }
```

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