

Converting Colors

$Yxy(46.9379, 0.3116, 0.3514)$

Have a look what the booklet for
Yxy(46.9379, 0.3116, 0.3514)
contains.

Yxy(46.9890, 0.3116, 0.3520)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9890, 0.3116, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	AABBAA
RGB	170, 187, 170
RGB Percent	67%, 73%, 67%
CMY	0.3335, 0.2666, 0.3333
CMYK	0.09, 0.00, 0.09, 0.27
HSL	120°, 11%, 70%
HSV	120°, 9%, 73%
XYZ	41.5959, 46.9890, 44.9065
YIQ	179.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

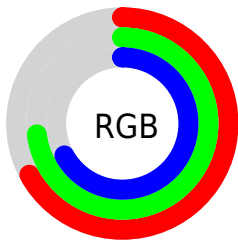
Format	Color
RYB	170, 187, 187
Decimal	11189162
CIELab	74.18, -9.11, 6.62
CIELCh	74, 11.255, 144.002
Yxy	46.9890, 0.3116, 0.3520
Android (android.graphics.Color)	4289379242 (0xFFAABBAA)
YUV	179.9790, -4.9196, -8.7516
Hunter-Lab	68.5485, -11.6443, 9.1427

Details

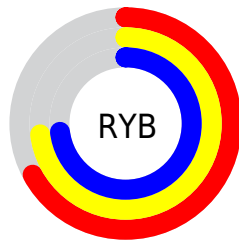
The Yxy color **46.9890, 0.3116, 0.3520** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.8860, 0.3138, 0.3070**, and the grayscale version is **45.6559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5450, 0.3118, 0.3478**, and **22.2098, 0.3113, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **44.3969, 0.3102, 0.3805**, and if you desaturate by 10%, it is **49.9817, 0.3128, 0.3269**.

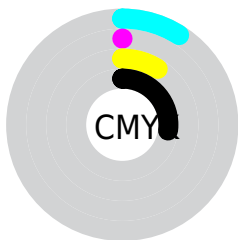
Distribution



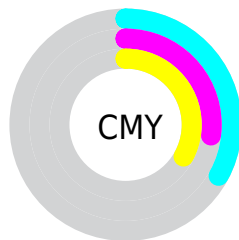
- Red (67%)
- Green (73%)
- Blue (67%)



- Red (67%)
- Yellow (73%)
- Blue (73%)



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





- Cyan (33%)
- Magenta (27%)
- Yellow (33%)
- Black (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9890, 0.3116, 0.3520 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 46.9890, 0.3116, 0.3520 by changing the saturation by 10% instead.

 46.9890, 0.3116,
0.3520


 46.9890, 0.3116,
0.3520


374.7706, 0.3122,
0.3403

 33.0270, 0.3114,
0.3550


 85.6972, 0.3119,
0.3477

 22.1471, 0.3112,
0.3588


 111.2122, 0.3119,
0.3461

 13.9650, 0.3108,
0.3640


141.3469, 0.3120,
0.3448

 8.0963, 0.3102,
0.3713

176.4857, 0.3121,
0.3436

 4.1567, 0.3092,
0.3825

217.0131, 0.3121,
0.3427

 1.7616, 0.3072,
0.4018

263.3135, 0.3122,


 0.4631, 0.3015,


0.3418


0.6408

315.7712, 0.3122,
0.3410


 0.0000, 0.0000,
0.0000

 46.9890, 0.3116,
0.3520


 46.9890, 0.3116,
0.3520

 44.3969, 0.3102,
0.3805


 49.9817, 0.3128,
0.3269

 42.1829, 0.3087,
0.4122

 53.3847, 0.3139,
0.3052

 40.3309, 0.3071,
0.4465

 57.2148, 0.3148,
0.2864

 38.8219, 0.3054,
0.4821

 61.4861, 0.3156,
0.2704

 37.6347, 0.3037,
0.5168

 64.0278, 0.3158,
0.2624

■ 36.7460, 0.3023,
0.5480

■ 36.1293, 0.3011,
0.5731

■ 35.7534, 0.3004,
0.5900

■ 35.5630, 0.3000,
0.5991

Harmonies

Analogous

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



46.9890, 0.3271, 0.3566



46.9890, 0.3116, 0.3520



46.9890, 0.2967, 0.3407

Triad

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



46.9890, 0.3116, 0.3520



46.9890, 0.2869, 0.3046



46.9890, 0.3400, 0.3308

Complementary

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



46.9890, 0.3116, 0.3520



42.8860, 0.3138, 0.3070

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.



46.9890, 0.3287, 0.3176



46.9890, 0.3116, 0.3520



46.9890, 0.2980, 0.3027

Square

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



46.9890, 0.3116, 0.3520



46.9890, 0.2826, 0.3131



46.9890, 0.3132, 0.3074



46.9890, 0.3438, 0.3438

Rectangle

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



46.9890, 0.3116, 0.3520



46.9890, 0.2890, 0.3312



46.9890, 0.3132, 0.3074



46.9890, 0.3369, 0.3262

Sweetspot

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



46.9910, 0.3116, 0.3520



87.3106, 0.3124, 0.3364



49.0153, 0.3261, 0.3511



19.1310, 0.3123, 0.3384



95.5105, 0.3127, 0.3290



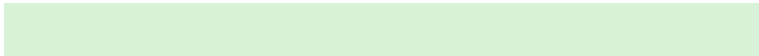
19.5994, 0.3127, 0.3290

Same Dimension

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



46.9910, 0.3116, 0.3520



83.1326, 0.3113, 0.3576



47.3227, 0.3052, 0.3404



10.6500, 0.3116, 0.3526



24.4888, 0.2999, 0.5998



0.9594, 0.2997, 0.5990

Inverse Universe

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



42.8860, 0.3138, 0.3070



74.2515, 0.3140, 0.3020



42.5332, 0.3210, 0.3179



9.6959, 0.3138, 0.3064



9.7371, 0.3216, 0.1545



0.3815, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 46.9890, 0.3116, 0.3520 looks on a white background.

Color Contrast Check

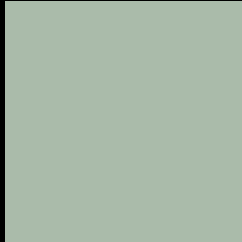
Large Text (above 18pt) WCAG AA × Fail

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 46.9890, 0.3116, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

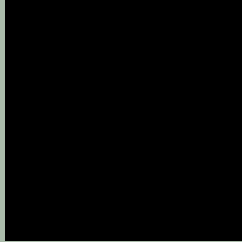
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

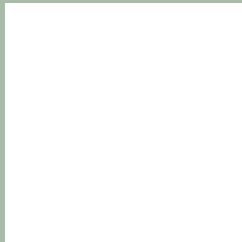
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9890, 0.3116, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 46.9890, 0.3116, 0.3520.



This preview shows how white text looks on a background with the Yxy color 46.9890, 0.3116, 0.3520.

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

46.9890, 0.3116, 0.3520

Protanopia

47.0647, 0.3309, 0.3485

Deuteranopia

46.7257, 0.3403, 0.3341



Tritanopia

46.8969, 0.2947, 0.3108

Trichromacy



Original Color

46.9890, 0.3116, 0.3520

Protanomaly

47.0532, 0.3237, 0.3501

Deuteranomaly

46.6592, 0.3297, 0.3406

Tritanomaly

46.7531, 0.3013, 0.3250

Monochromacy



Original Color

46.9890, 0.3116, 0.3520

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2317, 0.3123, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9890, 0.3116, 0.3520 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(170, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 170)  
}
```

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(170, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.9890, 0.3116, 0.3520 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(170, 187, 170) }
```

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

```
.border{ border-color:rgb(170, 187, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 187,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9890, 0.3116, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 170) }
```

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

```
.background{ background-color: rgb(170,  
187, 170) }
```

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