

Converting Colors

$Yxy(46.4998, 0.3147, 0.3568)$

Have a look what the booklet for
Yxy(46.4998, 0.3147, 0.3568)
contains.

Yxy(46.4170, 0.3148, 0.3562)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4170, 0.3148, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	AABAA6
RGB	170, 186, 166
RGB Percent	67%, 73%, 65%
CMY	0.3333, 0.2706, 0.3490
CMYK	0.09, 0.00, 0.11, 0.27
HSL	108°, 13%, 69%
HSV	108°, 11%, 73%
XYZ	41.0221, 46.4170, 42.8725
YIQ	178.9360, -3.1160, -9.6120

Conversions

Conversions Part 2

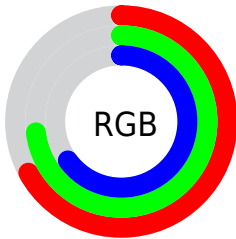
Format	Color
R _{YB}	166, 186, 182
Decimal	11188902
CIE Lab	73.82, -9.28, 8.26
CIE LCh	74, 12.423, 138.300
Yxy	46.4170, 0.3148, 0.3562
Android (android.graphics.Color)	4289378982 (0xFFAABAA6)
YUV	178.9360, -6.3774, -7.8369
Hunter-Lab	68.1300, -11.7500, 10.3813

Details

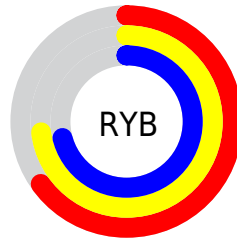
The Yxy color $46.4170, 0.3148, 0.3562$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.7599, 0.3103, 0.3027$, and the grayscale version is $45.0816, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.7323, 0.3143, 0.3511$, and $21.8415, 0.3156, 0.3648$ is the 20% darker color. If you saturate the color by 10%, you get $44.2210, 0.3165, 0.3845$, and if you desaturate by 10%, it is $48.9030, 0.3129, 0.3308$.

Distribution



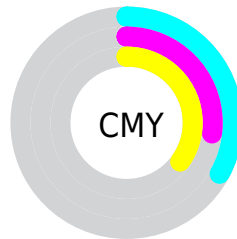
- Red (67%)
- Green (73%)
- Blue (65%)



- Red (65%)
- Yellow (73%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4170, 0.3148, 0.3562 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 46.4170, 0.3148, 0.3562 by changing the saturation by 10% instead.


 46.4170, 0.3148,
0.3562


 46.4170, 0.3148,
0.3562


372.4826, 0.3139,
0.3424

 32.5750, 0.3150,
0.3597


 84.8427, 0.3145,
0.3511

 21.8011, 0.3152,
0.3643


 110.1953, 0.3144,
0.3492

 13.7108, 0.3155,
0.3705


140.1534, 0.3143,
0.3476

 7.9198, 0.3158,
0.3793

175.1016, 0.3142,
0.3463

 4.0437, 0.3161,
0.3928

215.4242, 0.3141,
0.3451

 1.6980, 0.3160,
0.4162

261.5057, 0.3140,

 0.4224, 0.2930,

0.3441

0.7070

313.7303, 0.3139,
0.3432

0.0000, 0.0000,
0.0000

46.4170, 0.3148,
0.3562

46.4170, 0.3148,
0.3562

44.2210, 0.3165,
0.3845

48.9030, 0.3129,
0.3308

42.2985, 0.3179,
0.4154

51.6828, 0.3108,
0.3083

40.6406, 0.3188,
0.4482

54.7680, 0.3088,
0.2885

39.2353, 0.3189,
0.4817

58.1673, 0.3068,
0.2712

38.0699, 0.3182,
0.5142

61.6293, 0.3077,
0.2597

■ 37.1305, 0.3164,
0.5435

■ 63.5977, 0.3159,
0.2614

■ 36.4017, 0.3137,
0.5675

■ 35.8659, 0.3102,
0.5845

■ 35.5182, 0.3069,
0.5945

Harmonies

Analogous

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



46.4170, 0.3316, 0.3596



46.4170, 0.3148, 0.3562



46.4170, 0.2978, 0.3448

Triad

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



46.4170, 0.3148, 0.3562



46.4170, 0.2826, 0.3032



46.4170, 0.3411, 0.3280

Complementary

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



46.4170, 0.3148, 0.3562



40.7599, 0.3103, 0.3027

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.



46.4170, 0.3274, 0.3139



46.4170, 0.3148, 0.3562



46.4170, 0.2936, 0.2997

Square

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



46.4170, 0.3148, 0.3562



46.4170, 0.2795, 0.3137



46.4170, 0.3099, 0.3037



46.4170, 0.3471, 0.3428

Rectangle

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



46.4170, 0.3148, 0.3562



46.4170, 0.2886, 0.3345



46.4170, 0.3099, 0.3037



46.4170, 0.3373, 0.3231

Sweetspot

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



46.4190, 0.3148, 0.3562



87.5592, 0.3133, 0.3364



46.5115, 0.3291, 0.3496



19.1996, 0.3135, 0.3384



95.5105, 0.3127, 0.3290



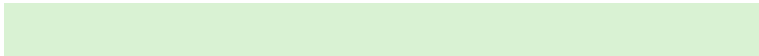
19.5994, 0.3127, 0.3290

Same Dimension

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



46.4190, 0.3148, 0.3562



83.1093, 0.3152, 0.3629



46.1903, 0.3071, 0.3485



10.1447, 0.3145, 0.3524



23.9216, 0.3076, 0.5940



0.8693, 0.3250, 0.5801

Inverse Universe

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



40.7599, 0.3103, 0.3027



70.7132, 0.3097, 0.2964



41.0200, 0.3188, 0.3102



9.0691, 0.3106, 0.3062



6.6915, 0.2712, 0.1267



0.2594, 0.2847, 0.1342

Previews

White Background



This preview shows how the Yxy color 46.4170, 0.3148, 0.3562 looks on a white background.

Color Contrast Check

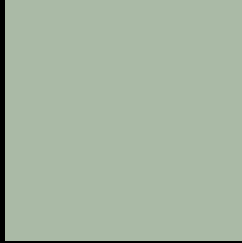
Large Text (above 18pt) WCAG AA × Fail

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 46.4170, 0.3148, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

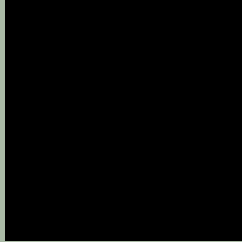
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

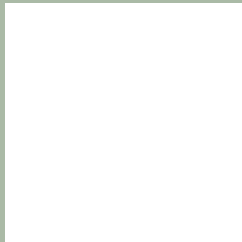
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4170, 0.3148, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 46.4170, 0.3148, 0.3562.



This preview shows how white text looks on a background with the Yxy color 46.4170, 0.3148, 0.3562.

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

46.4170, 0.3148, 0.3562

Protanopia

46.5109, 0.3344, 0.3525

Deuteranopia

46.1836, 0.3440, 0.3379



Tritanopia

46.5554, 0.2962, 0.3108

Trichromacy



Original Color

46.4170, 0.3148, 0.3562

Protanomaly

46.4924, 0.3270, 0.3542

Deuteranomaly

46.1066, 0.3332, 0.3446

Tritanomaly

46.2540, 0.3028, 0.3263

Monochromacy



Original Color

46.4170, 0.3148, 0.3562

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7420, 0.3139, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4170, 0.3148, 0.3562 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, 186, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 166)  
}
```

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, 186, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 166) }
```

Border

The CSS property to change the border of an element to Yxy 46.4170, 0.3148, 0.3562 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, 186, 166) }
```

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

```
.border{ border-color:rgb(170, 186, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 186, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 186, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 186, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 186,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4170, 0.3148, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 166) }
```

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

```
.background{ background-color: rgb(170,  
186, 166) }
```

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