

Converting Colors

$Yxy(46.7293, 0.3124, 0.3485)$

Have a look what the booklet for
Yxy(46.7293, 0.3124, 0.3485)
contains.

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Color

Yxy(46.8287, 0.3126, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	ACBAAB
RGB	172, 186, 171
RGB Percent	67%, 73%, 67%
CMY	0.3255, 0.2706, 0.3294
CMYK	0.08, 0.00, 0.08, 0.27
HSL	116°, 10%, 70%
HSV	116°, 8%, 73%
XYZ	41.9205, 46.8287, 45.3536
YIQ	180.1040, -3.5290, -7.6330

Conversions

Conversions Part 2

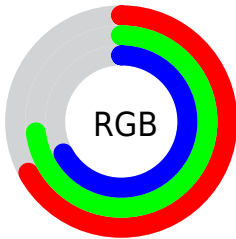
Format	Color
RYB	171, 186, 185
Decimal	11319979
CIELab	74.08, -7.68, 5.95
CIELCh	74, 9.712, 142.246
Yxy	46.8287, 0.3126, 0.3492
Android (android.graphics.Color)	4289510059 (0xFFACBAAB)
YUV	180.1040, -4.4883, -7.1072
Hunter-Lab	68.4315, -10.4076, 8.6071

Details

The Yxy color $46.8287, 0.3126, 0.3492$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.9845, 0.3127, 0.3095$, and the grayscale version is $45.7264, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3261, 0.3126, 0.3457$, and $22.1000, 0.3126, 0.3550$ is the 20% darker color. If you saturate the color by 10%, you get $44.3325, 0.3123, 0.3772$, and if you desaturate by 10%, it is $49.6855, 0.3127, 0.3245$.

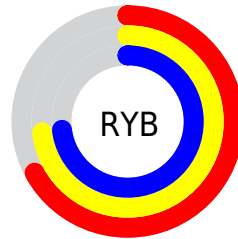
Distribution



Red (67%)

Green (73%)

Blue (67%)



Red (67%)

Yellow (73%)

Blue (73%)

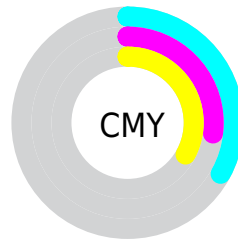


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (27%)



Cyan (33%)


Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8287, 0.3126, 0.3492 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 46.8287, 0.3126, 0.3492 by changing the saturation by 10% instead.

 46.8287, 0.3126,
0.3492

 46.8287, 0.3126,
0.3492


374.1304, 0.3127,
0.3390

 32.9003, 0.3125,
0.3518


 85.4579, 0.3127,
0.3455

 22.0500, 0.3125,
0.3552


110.9274, 0.3127,
0.3441

 13.8937, 0.3123,
0.3597

141.0127, 0.3127,
0.3429

 8.0468, 0.3121,
0.3661

176.0982, 0.3127,
0.3419

 4.1249, 0.3117,
0.3759

216.5684, 0.3127,
0.3410

 1.7437, 0.3107,
0.3926

262.8075, 0.3127,

 0.4517, 0.3143,


0.3402


0.5869


315.2000, 0.3127,
0.3396


 0.0000, 0.0000,
0.0000


 46.8287, 0.3126,
0.3492


 46.8287, 0.3126,
0.3492


 44.3325, 0.3123,
0.3772


 49.6855, 0.3127,
0.3245


 42.1769, 0.3118,
0.4083


 52.9101, 0.3127,
0.3029


 40.3488, 0.3110,
0.4419

 56.5171, 0.3126,
0.2842

 38.8323, 0.3099,
0.4768

 60.5184, 0.3125,
0.2681

 37.6099, 0.3085,
0.5112

 63.6011, 0.3159,
0.2614

■ 36.6626, 0.3068,
0.5426

■ 35.9688, 0.3050,
0.5685

■ 35.5042, 0.3031,
0.5869

■ 35.2365, 0.3015,
0.5973

Harmonies

Analogous

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



46.8287, 0.3259, 0.3528



46.8287, 0.3126, 0.3492



46.8287, 0.2995, 0.3398

Triad

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



46.8287, 0.3126, 0.3492



46.8287, 0.2900, 0.3082



46.8287, 0.3358, 0.3299

Complementary

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



46.8287, 0.3126, 0.3492



42.9845, 0.3127, 0.3095

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.



46.8287, 0.3258, 0.3185



46.8287, 0.3126, 0.3492



46.8287, 0.2993, 0.3061

Square

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



46.8287, 0.3126, 0.3492



46.8287, 0.2866, 0.3159



46.8287, 0.3124, 0.3099



46.8287, 0.3395, 0.3413

Rectangle

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



46.8287, 0.3126, 0.3492



46.8287, 0.2927, 0.3317



46.8287, 0.3124, 0.3099



46.8287, 0.3331, 0.3259

Sweetspot

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



46.8307, 0.3126, 0.3492



87.9212, 0.3127, 0.3339



48.0809, 0.3246, 0.3472



19.3737, 0.3127, 0.3336



95.5105, 0.3127, 0.3290



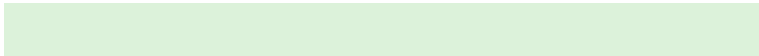
19.5994, 0.3127, 0.3290

Same Dimension

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



46.8307, 0.3126, 0.3492



83.8750, 0.3126, 0.3548



46.9726, 0.3068, 0.3404



10.0878, 0.3126, 0.3525



23.6928, 0.3017, 0.5986



0.8449, 0.3087, 0.5931

Inverse Universe

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



42.9845, 0.3127, 0.3095



75.2193, 0.3127, 0.3043



42.8385, 0.3191, 0.3179



9.1316, 0.3127, 0.3064



8.4248, 0.3045, 0.1451



0.3062, 0.3090, 0.1476

Previews

White Background



This preview shows how the Yxy color 46.8287, 0.3126, 0.3492 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 46.8287, 0.3126, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

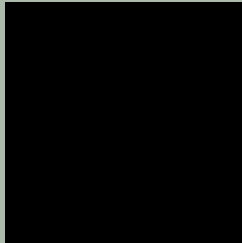
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

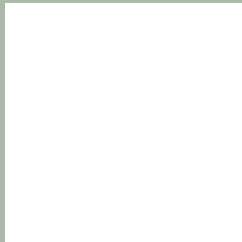
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8287, 0.3126, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 46.8287, 0.3126, 0.3492.



This preview shows how white text looks on a background with the Yxy color 46.8287, 0.3126, 0.3492.

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

46.8287, 0.3126, 0.3492

Protanopia

46.5663, 0.3294, 0.3460

Deuteranopia

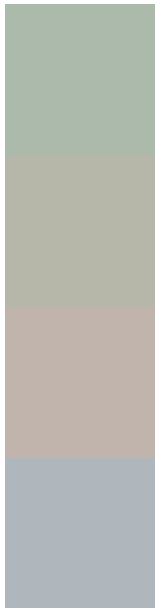
46.7643, 0.3395, 0.3328



Tritanopia

46.7172, 0.2963, 0.3096

Trichromacy



Original Color

46.8287, 0.3126, 0.3492

Protanomaly

46.6766, 0.3230, 0.3475

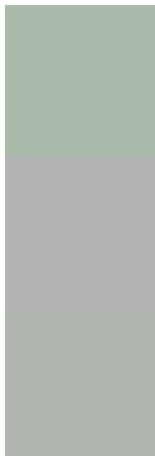
Deuteranomaly

46.8275, 0.3297, 0.3393

Tritanomaly

46.6118, 0.3022, 0.3224

Monochromacy



Original Color

46.8287, 0.3126, 0.3492

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9773, 0.3124, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8287, 0.3126, 0.3492 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(172, 186, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 186, 171)  
}
```

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(172, 186, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.8287, 0.3126, 0.3492 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(172, 186, 171) }
```

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

```
.border{ border-color:rgb(172, 186, 171) }
```

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

Here you see how a box with a 4 pixel rgb(172, 186, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 186, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 186, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 186,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8287, 0.3126, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 171) }
```

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

```
.background{ background-color: rgb(172,  
186, 171) }
```

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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