

Converting Colors

$Yxy(46.7650, 0.3296, 0.3895)$

Have a look what the booklet for
Yxy(46.7650, 0.3296, 0.3895)
contains.

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Color

Yxy(46.8745, 0.3298, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	A9BD91
RGB	169, 189, 145
RGB Percent	66%, 74%, 57%
CMY	0.3373, 0.2588, 0.4314
CMYK	0.11, 0.00, 0.23, 0.26
HSL	87°, 25%, 65%
HSV	87°, 23%, 74%
XYZ	39.6695, 46.8745, 33.7395
YIQ	178.0040, 2.2040, -17.9240

Conversions

Conversions Part 2

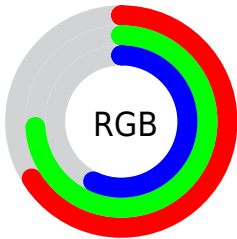
Format	Color
RYB	145, 189, 165
Decimal	11124113
CIELab	74.11, -14.74, 20.02
CIELCh	74, 24.864, 126.366
Yxy	46.8745, 0.3298, 0.3897
Android (android.graphics.Color)	4289314193 (0xFFA9BD91)
YUV	178.0040, -16.2710, -7.8965
Hunter-Lab	68.4650, -16.3884, 18.7074

Details

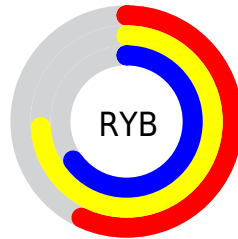
The Yxy color $46.8745, 0.3298, 0.3897$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $31.9204, 0.2921, 0.2677$, and the grayscale version is $44.6102, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4359, 0.3274, 0.3779$, and $22.1984, 0.3346, 0.4090$ is the 20% darker color. If you saturate the color by 10%, you get $45.4220, 0.3366, 0.4183$, and if you desaturate by 10%, it is $48.4905, 0.3225, 0.3624$.

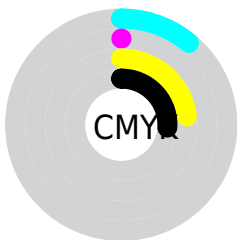
Distribution



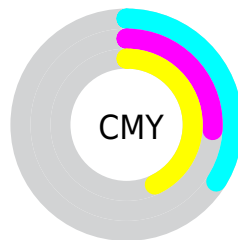
- Red (66%)
- Green (74%)
- Blue (57%)



- Red (57%)
- Yellow (74%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)




- Cyan (34%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8745, 0.3298, 0.3897 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 46.8745, 0.3298, 0.3897 by changing the saturation by 10% instead.

 46.8745, 0.3298,
0.3897


 46.8745, 0.3298,
0.3897


374.3134, 0.3218,
0.3586

 32.9365, 0.3316,
0.3977


 85.5263, 0.3270,
0.3782

 22.0778, 0.3338,
0.4081


 111.0088, 0.3259,
0.3740

 13.9141, 0.3365,
0.4221


141.1082, 0.3250,
0.3704

 8.0609, 0.3398,
0.4420

176.2090, 0.3242,
0.3673

 4.1340, 0.3435,
0.4722

216.6955, 0.3235,
0.3647

 1.7488, 0.3609,
0.5452

262.9521, 0.3228,

 0.4549, 0.1375,

0.3624

0.8625

315.3633, 0.3223,
0.3604

0.0000, 0.0000,
0.0000

46.8745, 0.3298,
0.3897

46.8745, 0.3298,
0.3897

45.4220, 0.3366,
0.4183

48.4905, 0.3225,
0.3624

44.1210, 0.3426,
0.4475

50.2695, 0.3151,
0.3369

42.9669, 0.3473,
0.4761

52.2189, 0.3078,
0.3135

41.9529, 0.3502,
0.5029

54.3437, 0.3008,
0.2923

41.0713, 0.3511,
0.5264

56.6487, 0.2941,
0.2731

■ 40.3132, 0.3497,
0.5454

■ 58.9182, 0.2900,
0.2591

■ 39.6685, 0.3461,
0.5590

■ 60.2977, 0.2963,
0.2604

■ 39.2871, 0.3429,
0.5659

■ 61.7471, 0.3027,
0.2617

■ 63.2675, 0.3092,
0.2630

Harmonies

Analogous

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



46.8745, 0.3609, 0.3879



46.8745, 0.3298, 0.3897



46.8745, 0.2953, 0.3724

Triad

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



46.8745, 0.3298, 0.3897



46.8745, 0.2497, 0.2840



46.8745, 0.3601, 0.3149

Complementary

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



46.8745, 0.3298, 0.3897



31.9204, 0.2921, 0.2677

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.



46.8745, 0.3278, 0.2907



46.8745, 0.3298, 0.3897



46.8745, 0.2648, 0.2728

Square

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



46.8745, 0.3298, 0.3897



46.8745, 0.2503, 0.3086



46.8745, 0.2929, 0.2755



46.8745, 0.3795, 0.3433

Rectangle

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



46.8745, 0.3298, 0.3897



46.8745, 0.2750, 0.3526



46.8745, 0.2929, 0.2755



46.8745, 0.3503, 0.3061

Sweetspot

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



46.8765, 0.3298, 0.3897



88.7731, 0.3180, 0.3464



39.7003, 0.3542, 0.3558



19.0490, 0.3184, 0.3480



95.5105, 0.3127, 0.3290



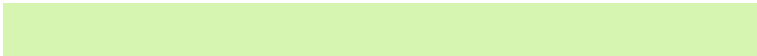
19.5994, 0.3127, 0.3290

Same Dimension

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



46.8765, 0.3298, 0.3897



82.5715, 0.3334, 0.4043



44.6622, 0.3115, 0.3932



10.8991, 0.3196, 0.3521



26.4777, 0.3438, 0.5652



1.0756, 0.3615, 0.5512

Inverse Universe

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



31.9204, 0.2921, 0.2677



51.0561, 0.2866, 0.2528



34.4618, 0.3132, 0.2715



9.4320, 0.3053, 0.3058



3.8444, 0.1950, 0.0848



0.1895, 0.2226, 0.1000

Previews

White Background



This preview shows how the Yxy color 46.8745, 0.3298, 0.3897 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 46.8745, 0.3298, 0.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

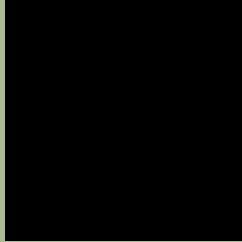
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8745, 0.3298, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 46.8745, 0.3298, 0.3897.



This preview shows how white text looks on a background with the Yxy color 46.8745, 0.3298, 0.3897.

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

46.8745, 0.3298, 0.3897

Protanopia

46.8782, 0.3564, 0.3809

Deuteranopia

46.6469, 0.3694, 0.3624



Tritanopia

46.8342, 0.2971, 0.3096

Trichromacy



Original Color

46.8745, 0.3298, 0.3897

Protanomaly

46.9954, 0.3465, 0.3848

Deuteranomaly

46.4849, 0.3546, 0.3717

Tritanomaly

46.9109, 0.3089, 0.3383

Monochromacy



Original Color

46.8745, 0.3298, 0.3897

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3230, 0.3194, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8745, 0.3298, 0.3897 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, 189, 145)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 145)  
}
```

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, 189, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 145) }
```

Border

The CSS property to change the border of an element to Yxy 46.8745, 0.3298, 0.3897 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, 189, 145) }
```

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

```
.border{ border-color:rgb(169, 189, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 189, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 189, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 189, 145);  
box-shadow:4px 4px 4px 4px rgb(169, 189,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8745, 0.3298, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 145) }
```

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

```
.background{ background-color: rgb(169,  
189, 145) }
```

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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