

Converting Colors

$Yxy(46.5065, 0.3231, 0.3807)$

Have a look what the booklet for
Yxy(46.5065, 0.3231, 0.3807)
contains.

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Color

Yxy(46.3078, 0.3228, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	A6BC97
RGB	166, 188, 151
RGB Percent	65%, 74%, 59%
CMY	0.3489, 0.2627, 0.4080
CMYK	0.12, 0.00, 0.20, 0.26
HSL	96°, 22%, 66%
HSV	96°, 20%, 74%
XYZ	39.2959, 46.3078, 36.1308
YIQ	177.2040, -1.2350, -16.1710

Conversions

Conversions Part 2

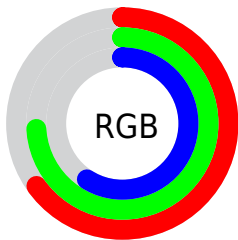
Format	Color
RYB	151, 188, 173
Decimal	10927255
CIELab	73.74, -14.35, 16.27
CIELCh	74, 21.692, 131.411
Yxy	46.3078, 0.3228, 0.3804
Android (android.graphics.Color)	4289117335 (0xFFA6BC97)
YUV	177.2040, -12.9186, -9.8259
Hunter-Lab	68.0498, -16.0110, 16.1551

Details

The Yxy color $46.3078, 0.3228, 0.3804$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.6321, 0.3006, 0.2786$, and the grayscale version is $44.1503, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4813, 0.3212, 0.3707$, and $21.8255, 0.3252, 0.3964$ is the 20% darker color. If you saturate the color by 10%, you get $44.5927, 0.3275, 0.4096$, and if you desaturate by 10%, it is $48.2289, 0.3177, 0.3532$.

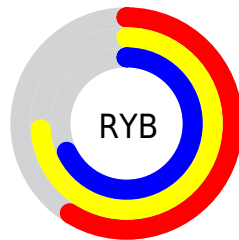
Distribution



Red (65%)

Green (74%)

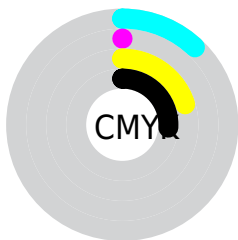
Blue (59%)



Red (59%)

Yellow (74%)

Blue (68%)

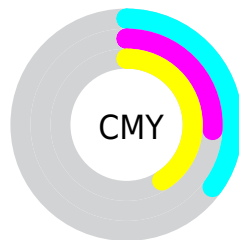


Cyan (12%)

Magenta (0%)

Yellow (20%)

Black (26%)



Cyan (35%)

Magenta (26%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3078, 0.3228, 0.3804 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 46.3078, 0.3228, 0.3804 by changing the saturation by 10% instead.


 46.3078, 0.3228,
0.3804


 46.3078, 0.3228,
0.3804


372.0447, 0.3181,
0.3540

 32.4888, 0.3238,
0.3872


 84.6795, 0.3212,
0.3706

 21.7351, 0.3251,
0.3961


 110.0009, 0.3206,
0.3670

 13.6624, 0.3266,
0.4081


139.9252, 0.3200,
0.3640

 7.8862, 0.3284,
0.4253

174.8369, 0.3195,
0.3614

 4.0222, 0.3302,
0.4517

215.1203, 0.3191,
0.3592

 1.6860, 0.3373,
0.5066

261.1598, 0.3187,

 0.4146, 0.0955,

0.3572

0.9045

313.3398, 0.3184,
0.3555

0.0000, 0.0000,
0.0000

46.3078, 0.3228,
0.3804

46.3078, 0.3228,
0.3804

44.5927, 0.3275,
0.4096

48.2289, 0.3177,
0.3532

43.0704, 0.3315,
0.4402

50.3570, 0.3126,
0.3283

41.7352, 0.3345,
0.4711

52.7004, 0.3074,
0.3058

40.5788, 0.3361,
0.5010

55.2655, 0.3024,
0.2857

39.5920, 0.3359,
0.5282

58.0581, 0.2977,
0.2679

■ 38.7648, 0.3339,
0.5511

■ 60.5062, 0.2992,
0.2600

■ 38.0859, 0.3300,
0.5682

■ 62.4438, 0.3075,
0.2617

■ 37.5360, 0.3249,
0.5800

■ 64.4473, 0.3158,
0.2634

■ 37.5209, 0.3248,
0.5803

Harmonies

Analogous

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



46.3078, 0.3511, 0.3820



46.3078, 0.3228, 0.3804



46.3078, 0.2927, 0.3628

Triad

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



46.3078, 0.3228, 0.3804



46.3078, 0.2585, 0.2871



46.3078, 0.3581, 0.3209

Complementary

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



46.3078, 0.3228, 0.3804



34.6321, 0.3006, 0.2786

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.



46.3078, 0.3312, 0.2984



46.3078, 0.3228, 0.3804



46.3078, 0.2741, 0.2790

Square

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



46.3078, 0.3228, 0.3804



46.3078, 0.2566, 0.3071



46.3078, 0.3004, 0.2833



46.3078, 0.3723, 0.3462

Rectangle

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



46.3078, 0.3228, 0.3804



46.3078, 0.2757, 0.3449



46.3078, 0.3004, 0.2833



46.3078, 0.3502, 0.3128

Sweetspot

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



46.3098, 0.3228, 0.3804



88.7503, 0.3159, 0.3439



42.6478, 0.3456, 0.3579



19.0323, 0.3162, 0.3456



95.5105, 0.3127, 0.3290



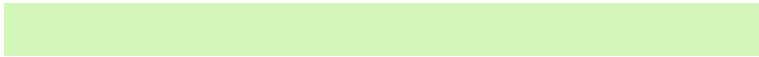
19.5994, 0.3127, 0.3290

Same Dimension

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



46.3098, 0.3228, 0.3804



82.4222, 0.3251, 0.3939



44.8783, 0.3079, 0.3778



10.8338, 0.3176, 0.3523



25.5866, 0.3257, 0.5796



1.0406, 0.3454, 0.5639

Inverse Universe

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



34.6321, 0.3006, 0.2786



57.0779, 0.2971, 0.2658



36.3136, 0.3178, 0.2846



9.4976, 0.3074, 0.3059



4.8432, 0.2228, 0.1001



0.2270, 0.2463, 0.1130

Previews

White Background



This preview shows how the Yxy color 46.3078, 0.3228, 0.3804 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 46.3078, 0.3228, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

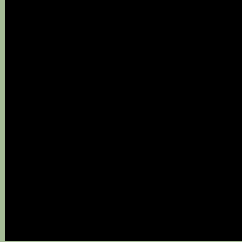
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

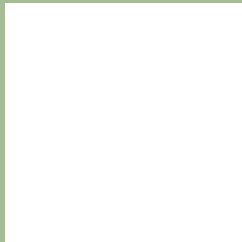
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3078, 0.3228, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 46.3078, 0.3228, 0.3804.



This preview shows how white text looks on a background with the Yxy color 46.3078, 0.3228, 0.3804.

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

46.3078, 0.3228, 0.3804

Protanopia

46.3608, 0.3506, 0.3734

Deuteranopia

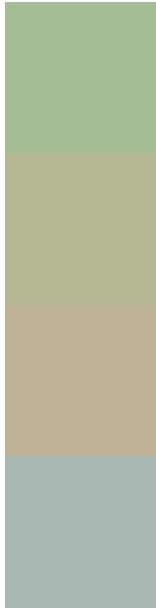
46.0151, 0.3615, 0.3540



Tritanopia

46.3257, 0.2946, 0.3107

Trichromacy



Original Color

46.3078, 0.3228, 0.3804

Protanomaly

46.4864, 0.3408, 0.3771

Deuteranomaly

45.8776, 0.3470, 0.3629

Tritanomaly

46.1223, 0.3041, 0.3343

Monochromacy



Original Color

46.3078, 0.3228, 0.3804

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7591, 0.3162, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3078, 0.3228, 0.3804 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(166, 188, 151)` looks like.

```
.text, #text, p{  
    color:rgb(166, 188, 151)  
}
```

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(166, 188, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 188, 151) }
```

Border

The CSS property to change the border of an element to Yxy 46.3078, 0.3228, 0.3804 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(166, 188, 151) }
```

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

```
.border{ border-color:rgb(166, 188, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 188, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 188, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 188, 151);  
box-shadow:4px 4px 4px 4px rgb(166, 188,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3078, 0.3228, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 188, 151) }
```

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

```
.background{ background-color: rgb(166,  
188, 151) }
```

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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