

Converting Colors

$Yxy(46.3401, 0.3510, 0.4237)$

Have a look what the booklet for
Yxy(46.3401, 0.3510, 0.4237)
contains.

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Color

Yxy(46.4092, 0.3505, 0.4238)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ABBD78 |
| RGB | 171, 189, 120 |
| RGB Percent | 67%, 74%, 47% |
| CMY | 0.3295, 0.2588, 0.5293 |
| CMYK | 0.10, 0.00, 0.36, 0.26 |
| HSL | 76°, 34%, 61% |
| HSV | 76°, 36%, 74% |
| XYZ | 38.3823, 46.4092, 24.7158 |
| YIQ | 175.7520, 11.4210, -25.2750 |

Conversions

Conversions Part 2

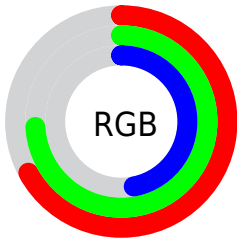
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 120, 189, 138 |
| Decimal | 11255160 |
| CIELab | 73.81, -17.54, 32.84 |
| CIELCh | 74, 37.233, 118.104 |
| Yxy | 46.4092, 0.3505, 0.4238 |
| Android (android.graphics.Color) | 4289445240 (0xFFABBD78) |
| YUV | 175.7520, -27.4857, -4.1675 |
| Hunter-Lab | 68.1243, -18.6478, 26.1763 |

Details

The Yxy color $46.4092, 0.3505, 0.4238$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $22.5245, 0.2639, 0.2252$, and the grayscale version is $43.4231, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.6528, 0.3445, 0.4058$, and $21.9021, 0.3592, 0.4526$ is the 20% darker color. If you saturate the color by 10%, you get $45.4524, 0.3595, 0.4502$, and if you desaturate by 10%, it is $47.4814, 0.3405, 0.3969$.

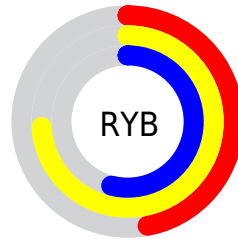
Distribution



Red (67%)

Green (74%)

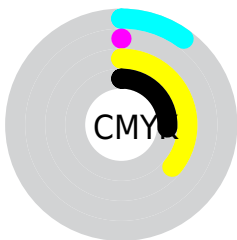
Blue (47%)



Red (47%)

Yellow (74%)

Blue (54%)

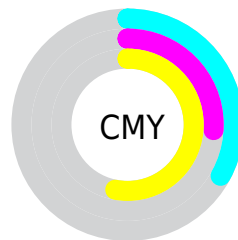


Cyan (10%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (33%)


Magenta (26%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4092, 0.3505, 0.4238 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 46.4092, 0.3505, 0.4238 by changing the saturation by 10% instead.


 46.4092, 0.3505,
0.4238


 46.4092, 0.3505,
0.4238

372.4513, 0.3329,
0.3752


 32.5688, 0.3543,
0.4361


 84.8311, 0.3445,
0.4059

 21.7964, 0.3588,
0.4520


 110.1814, 0.3421,
0.3993

 13.7073, 0.3639,
0.4730


 140.1371, 0.3401,
0.3937

 7.9174, 0.3694,
0.5019

175.0827, 0.3383,
0.3889

 4.0421, 0.3759,
0.5465

215.4025, 0.3367,
0.3847

 1.6972, 0.3796,
0.6204

261.4810, 0.3353,

 0.4218, 0.0000,

0.3811

1.0000

313.7025, 0.3340,
0.3780

0.0000, 0.0000,
0.0000

46.4092, 0.3505,
0.4238

46.4092, 0.3505,
0.4238

45.4524, 0.3595,
0.4502

47.4814, 0.3405,
0.3969

44.5993, 0.3670,
0.4751

48.6680, 0.3301,
0.3703

43.8458, 0.3725,
0.4972


49.9758, 0.3195,
0.3448


43.1849, 0.3757,
0.5156


51.4093, 0.3091,
0.3208

42.6088, 0.3764,
0.5295


52.9727, 0.2991,
0.2985


 42.1068, 0.3746,
0.5387

 54.6701, 0.2897,
0.2781

 41.9410, 0.3738,
0.5414

 56.5052, 0.2809,
0.2595

 57.3911, 0.2827,
0.2577

 58.1293, 0.2863,
0.2584

Harmonies

Analogous

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



46.4092, 0.3938, 0.4104



46.4092, 0.3505, 0.4238



46.4092, 0.2992, 0.4064

Triad

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



46.4092, 0.3505, 0.4238



46.4092, 0.2189, 0.2693



46.4092, 0.3718, 0.2970

Complementary

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



46.4092, 0.3505, 0.4238



22.5245, 0.2639, 0.2252

Split Complementary

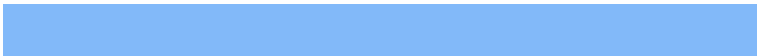
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.4092, 0.3198, 0.2658



46.4092, 0.3505, 0.4238



46.4092, 0.2342, 0.2488

Square

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



46.4092, 0.3505, 0.4238



46.4092, 0.2255, 0.3095



46.4092, 0.2697, 0.2485



46.4092, 0.4082, 0.3364

Rectangle

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



46.4092, 0.3505, 0.4238



46.4092, 0.2675, 0.3786



46.4092, 0.2697, 0.2485



46.4092, 0.3553, 0.2854

Sweetspot

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



46.4113, 0.3505, 0.4238



88.3757, 0.3244, 0.3566



30.1476, 0.3909, 0.3532



18.9369, 0.3259, 0.3600



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.



46.4113, 0.3505, 0.4238



81.6925, 0.3580, 0.4456



43.0967, 0.3213, 0.4333



10.9917, 0.3225, 0.3519



28.2558, 0.3743, 0.5410



1.1368, 0.3856, 0.5320

Inverse Universe

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



22.5245, 0.2639, 0.2252



32.5203, 0.2501, 0.1985



25.8605, 0.2984, 0.2348



9.3426, 0.3023, 0.3056



2.9497, 0.1667, 0.0692



0.1484, 0.1933, 0.0838

Previews

White Background



This preview shows how the Yxy color 46.4092, 0.3505, 0.4238 looks on a white background.

Color Contrast Check

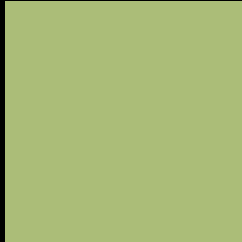
Large Text (above 18pt) WCAG AA × Fail

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 46.4092, 0.3505, 0.4238 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 46.4092, 0.3505, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 46.4092, 0.3505, 0.4238.



This preview shows how white text looks on a background with the Yxy color 46.4092, 0.3505, 0.4238.

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

46.4092, 0.3505, 0.4238

Protanopia

46.2024, 0.3802, 0.4108

Deuteranopia

46.0941, 0.3974, 0.3881



Tritanopia

46.3613, 0.3026, 0.3110

Trichromacy



Original Color

46.4092, 0.3505, 0.4238

Protanomaly

46.2804, 0.3696, 0.4157

Deuteranomaly

45.9496, 0.3791, 0.4003

Tritanomaly

46.0041, 0.3203, 0.3505

Monochromacy



Original Color

46.4092, 0.3505, 0.4238

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4467, 0.3268, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4092, 0.3505, 0.4238 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(171, 189, 120)` looks like.

```
.text, #text, p{  
    color:rgb(171, 189, 120)  
}
```

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(171, 189, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 189, 120) }
```

Border

The CSS property to change the border of an element to Yxy 46.4092, 0.3505, 0.4238 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(171, 189, 120) }
```

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

```
.border{ border-color:rgb(171, 189, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 189, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 189, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 189, 120);  
box-shadow:4px 4px 4px 4px rgb(171, 189,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4092, 0.3505, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 189, 120) }
```

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

```
.background{ background-color: rgb(171,  
189, 120) }
```

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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