

Converting Colors

$Y_{xy}(46.2139, 0.3593, 0.3340)$

Have a look what the booklet for
Yxy(46.2139, 0.3593, 0.3340)
contains.

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Color

Yxy(46.1016, 0.3591, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	D8AAA6
RGB	216, 170, 166
RGB Percent	85%, 67%, 65%
CMY	0.1531, 0.3332, 0.3490
CMYK	0.00, 0.21, 0.23, 0.15
HSL	5°, 39%, 75%
HSV	5°, 23%, 85%
XYZ	49.5661, 46.1016, 42.3610
YIQ	183.2980, 28.7000, 8.5080

Conversions

Conversions Part 2

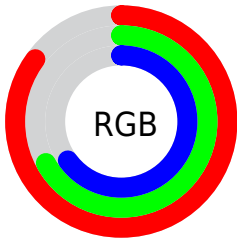
Format	Color
R _Y B	216, 170, 166
Decimal	14199462
CIE Lab	73.61, 16.20, 8.50
CIE LCh	74, 18.294, 27.680
Yxy	46.1016, 0.3591, 0.3340
Android (android.graphics.Color)	4292389542 (0xFFD8AAA6)
YUV	183.2980, -8.5279, 28.6797
Hunter-Lab	67.8982, 11.4844, 10.5382

Details

The Yxy color **46.1016, 0.3591, 0.3340** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **60.1129, 0.2783, 0.3239**, and the grayscale version is **47.5614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3309, 0.3367, 0.3331**, and **21.6454, 0.3723, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **38.4848, 0.3872, 0.3363**, and if you desaturate by 10%, it is **54.9799, 0.3362, 0.3317**.

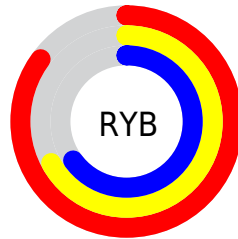
Distribution



Red (85%)

Green (67%)

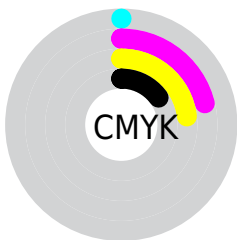
Blue (65%)



Red (85%)

Yellow (67%)

Blue (65%)

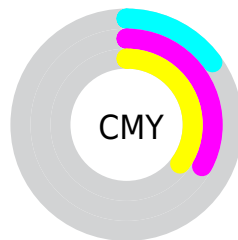


Cyan (0%)

Magenta (21%)

Yellow (23%)

Black (15%)



Cyan (15%)


Magenta (33%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1016, 0.3591, 0.3340 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 46.1016, 0.3591, 0.3340 by changing the saturation by 10% instead.


 46.1016, 0.3591,
0.3340

 46.1016, 0.3591,
0.3340


371.2170, 0.3357,
0.3319

 32.3260, 0.3650,
0.3344


 84.3710, 0.3505,
0.3333

 21.6106, 0.3726,
0.3348


 109.6337, 0.3473,
0.3330

 13.5711, 0.3829,
0.3353


139.4941, 0.3446,
0.3328

 7.8230, 0.3972,
0.3357

174.3367, 0.3423,
0.3326

 3.9819, 0.4189,
0.3358

214.5459, 0.3403,
0.3324

 1.6634, 0.4548,
0.3344

260.5061, 0.3386,

 0.3998, 0.6598,

0.3322

0.3402

312.6016, 0.3370,
0.3320

0.0000, 0.0000,
0.0000

46.1016, 0.3591,
0.3340

46.1016, 0.3591,
0.3340

38.4848, 0.3872,
0.3363

54.9799, 0.3362,
0.3317

32.0664, 0.4212,
0.3385

65.1668, 0.3178,
0.3296

26.7871, 0.4611,
0.3404

76.7144, 0.3028,
0.3277

22.5804, 0.5057,
0.3414

89.6703, 0.2906,
0.3259

19.3725, 0.5514,
0.3412

93.3319, 0.2894,
0.3289

■ 17.0805, 0.5924,
0.3394

■ 15.6080, 0.6221,
0.3362

■ 15.0055, 0.6349,
0.3341

Harmonies

Analogous

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



46.1016, 0.3416, 0.3128



46.1016, 0.3591, 0.3340



46.1016, 0.3635, 0.3548

Triad

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



46.1016, 0.3591, 0.3340



46.1016, 0.3074, 0.3655



46.1016, 0.2725, 0.2884

Complementary

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



46.1016, 0.3591, 0.3340



60.1129, 0.2783, 0.3239

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.



46.1016, 0.2643, 0.3003



46.1016, 0.3591, 0.3340



46.1016, 0.2839, 0.3454

Square

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



46.1016, 0.3591, 0.3340



46.1016, 0.3330, 0.3745



46.1016, 0.2684, 0.3211



46.1016, 0.2913, 0.2871

Rectangle

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



46.1016, 0.3591, 0.3340



46.1016, 0.3585, 0.3660



46.1016, 0.2684, 0.3211



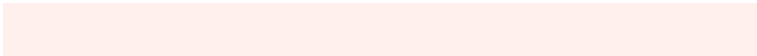
46.1016, 0.2685, 0.2912

Sweetspot

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



46.1037, 0.3591, 0.3340



88.8757, 0.3246, 0.3304



46.6487, 0.3182, 0.2754



18.8276, 0.3257, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.1037, 0.3591, 0.3340



61.2520, 0.3728, 0.3352



56.0651, 0.3528, 0.3626



12.5800, 0.3289, 0.3309



8.9490, 0.6335, 0.3352



0.5970, 0.6149, 0.3500

Inverse Universe

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



60.1129, 0.2783, 0.3239



85.2640, 0.2713, 0.3227



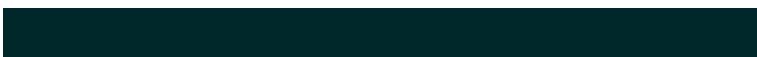
48.8775, 0.2758, 0.2930



13.9286, 0.2983, 0.3271



27.0753, 0.2177, 0.3037



1.6849, 0.2190, 0.3084

Previews

White Background



This preview shows how the Yxy color 46.1016, 0.3591, 0.3340 looks on a white background.

Color Contrast Check

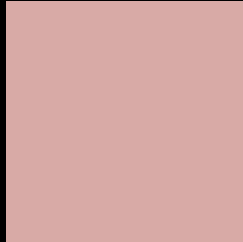
Large Text (above 18pt) WCAG AA × Fail

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 46.1016, 0.3591, 0.3340 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 46.1016, 0.3591, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 46.1016, 0.3591, 0.3340.



This preview shows how white text looks on a background with the Yxy color 46.1016, 0.3591, 0.3340.

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

46.1016, 0.3591, 0.3340

Protanopia

46.1859, 0.3253, 0.3395

Deuteranopia

46.2139, 0.3476, 0.3416



Tritanopia

46.2469, 0.3476, 0.3137

Trichromacy



Original Color

46.1016, 0.3591, 0.3340

Protanomaly

45.9587, 0.3375, 0.3367

Deuteranomaly

46.0136, 0.3518, 0.3390

Tritanomaly

46.2622, 0.3511, 0.3207

Monochromacy



Original Color

46.1016, 0.3591, 0.3340

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6172, 0.3285, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1016, 0.3591, 0.3340 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(216, 170, 166)` looks like.

```
.text, #text, p{  
    color:rgb(216, 170, 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(216, 170, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 170, 166) }
```

Border

The CSS property to change the border of an element to Yxy 46.1016, 0.3591, 0.3340 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(216, 170, 166) }
```

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

```
.border{ border-color:rgb(216, 170, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 170, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 170, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 170, 166);  
box-shadow:4px 4px 4px 4px rgb(216, 170,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1016, 0.3591, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 170, 166) }
```

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

```
.background{ background-color: rgb(216,  
170, 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](#).

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