

Converting Colors

$Y_{xy}(45.8011, 0.3671, 0.3433)$

Have a look what the booklet for
Yxy(45.8011, 0.3671, 0.3433)
contains.

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Color

Yxy(45.9698, 0.3675, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	D9AA9E
RGB	217, 170, 158
RGB Percent	85%, 67%, 62%
CMY	0.1492, 0.3333, 0.3804
CMYK	0.00, 0.22, 0.27, 0.15
HSL	12°, 44%, 74%
HSV	12°, 27%, 85%
XYZ	49.1530, 45.9698, 38.6269
YIQ	182.6850, 31.8640, 6.2320

Conversions

Conversions Part 2

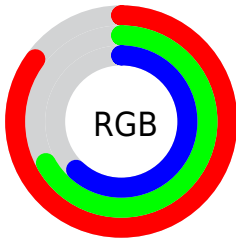
Format	Color
R _Y B	217, 173, 158
Decimal	14264990
CIE Lab	73.53, 15.45, 12.77
CIE LCh	74, 20.045, 39.587
Yxy	45.9698, 0.3675, 0.3437
Android (android.graphics.Color)	4292455070 (0xFFD9AA9E)
YUV	182.6850, -12.1697, 30.0943
Hunter-Lab	67.8010, 10.7536, 13.6826

Details

The Yxy color **45.9698, 0.3675, 0.3437** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.9089, 0.2718, 0.3137**, and the grayscale version is **47.2269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9145, 0.3423, 0.3412**, and **21.5955, 0.3828, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **39.2328, 0.3956, 0.3494**, and if you desaturate by 10%, it is **53.6937, 0.3440, 0.3380**.

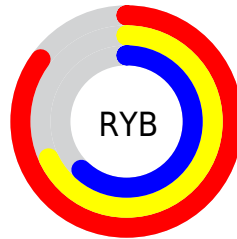
Distribution



Red (85%)

Green (67%)

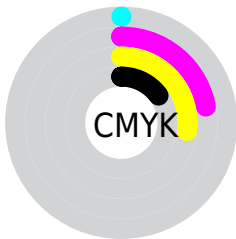
Blue (62%)



Red (85%)

Yellow (68%)

Blue (62%)

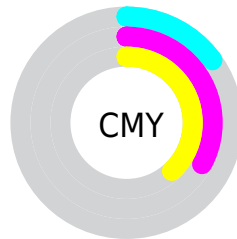


Cyan (0%)

Magenta (22%)

Yellow (27%)

Black (15%)



Cyan (15%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9698, 0.3675, 0.3437 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 45.9698, 0.3675, 0.3437 by changing the saturation by 10% instead.


 45.9698, 0.3675,
0.3437


 45.9698, 0.3675,
0.3437


370.6872, 0.3398,
0.3369

 32.2220, 0.3745,
0.3452


 84.1738, 0.3574,
0.3414

 21.5311, 0.3835,
0.3470


 109.3988, 0.3536,
0.3405

 13.5128, 0.3956,
0.3492


139.2183, 0.3504,
0.3397

 7.7826, 0.4125,
0.3519

174.0167, 0.3477,
0.3390

 3.9561, 0.4377,
0.3549

214.1784, 0.3453,
0.3384

 1.6491, 0.4808,
0.3588

260.0878, 0.3432,

 0.3903, 0.6571,

0.3378

0.3429

312.1293, 0.3414,
0.3374

0.0000, 0.0000,
0.0000

45.9698, 0.3675,
0.3437

45.9698, 0.3675,
0.3437

39.2328, 0.3956,
0.3494

53.6937, 0.3440,
0.3380

33.4365, 0.4286,
0.3547

62.4357, 0.3246,
0.3326

28.5404, 0.4664,
0.3590

72.2335, 0.3085,
0.3276

24.4986, 0.5073,
0.3613

83.1208, 0.2952,
0.3230

21.2609, 0.5483,
0.3607

93.4862, 0.2900,
0.3289

■ 18.7716, 0.5848,
0.3566

■ 16.9664, 0.6121,
0.3492

■ 16.5662, 0.6185,
0.3471

Harmonies

Analogous

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



45.9698, 0.3535, 0.3201



45.9698, 0.3675, 0.3437



45.9698, 0.3660, 0.3649

Triad

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



45.9698, 0.3675, 0.3437



45.9698, 0.2959, 0.3616



45.9698, 0.2757, 0.2826

Complementary

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



45.9698, 0.3675, 0.3437



55.9089, 0.2718, 0.3137

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.



45.9698, 0.2618, 0.2910



45.9698, 0.3675, 0.3437



45.9698, 0.2731, 0.3364

Square

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



45.9698, 0.3675, 0.3437



45.9698, 0.3239, 0.3770



45.9698, 0.2609, 0.3103



45.9698, 0.2996, 0.2859

Rectangle

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



45.9698, 0.3675, 0.3437



45.9698, 0.3565, 0.3747



45.9698, 0.2609, 0.3103



45.9698, 0.2697, 0.2841

Sweetspot

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



45.9719, 0.3675, 0.3437



88.8280, 0.3262, 0.3331



43.6139, 0.3262, 0.2742



18.5869, 0.3289, 0.3339



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.



45.9719, 0.3675, 0.3437



60.1663, 0.3841, 0.3472



58.1872, 0.3586, 0.3776



13.4795, 0.3286, 0.3338



10.1535, 0.6162, 0.3489



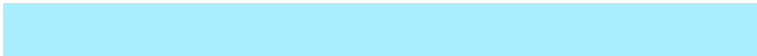
0.7817, 0.5850, 0.3737

Inverse Universe

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



55.9089, 0.2718, 0.3137



76.9157, 0.2632, 0.3098



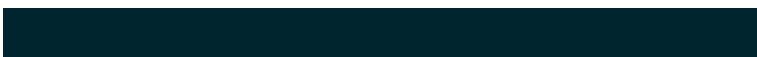
43.2037, 0.2680, 0.2751



14.3550, 0.2982, 0.3241



21.2197, 0.2062, 0.2625



1.4911, 0.2096, 0.2745

Previews

White Background



This preview shows how the Yxy color 45.9698, 0.3675, 0.3437 looks on a white background.

Color Contrast Check

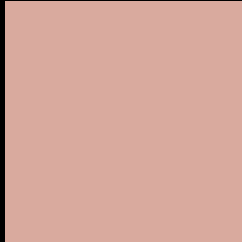
Large Text (above 18pt) WCAG AA × Fail

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 45.9698, 0.3675, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

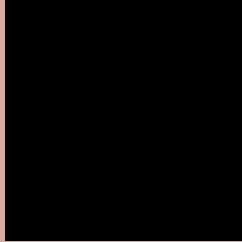
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9698, 0.3675, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 45.9698, 0.3675, 0.3437.



This preview shows how white text looks on a background with the Yxy color 45.9698, 0.3675, 0.3437.

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

45.9698, 0.3675, 0.3437

Protanopia

45.9782, 0.3337, 0.3513

Deuteranopia

45.9718, 0.3578, 0.3503



Tritanopia

45.9928, 0.3497, 0.3137

Trichromacy



Original Color

45.9698, 0.3675, 0.3437

Protanomaly

45.7660, 0.3463, 0.3482

Deuteranomaly

46.1703, 0.3619, 0.3489

Tritanomaly

45.8892, 0.3560, 0.3243

Monochromacy



Original Color

45.9698, 0.3675, 0.3437

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4989, 0.3310, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9698, 0.3675, 0.3437 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(217, 170, 158)` looks like.

```
.text, #text, p{  
    color:rgb(217, 170, 158)  
}
```

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(217, 170, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 170, 158) }
```

Border

The CSS property to change the border of an element to Yxy 45.9698, 0.3675, 0.3437 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(217, 170, 158) }
```

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

```
.border{ border-color:rgb(217, 170, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 170, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 170, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 170, 158);  
box-shadow:4px 4px 4px 4px rgb(217, 170,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9698, 0.3675, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 170, 158) }
```

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

```
.background{ background-color: rgb(217,  
170, 158) }
```

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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