

Converting Colors

$Y_{xy}(45.8672, 0.3760, 0.3713)$

Have a look what the booklet for
Yxy(45.8672, 0.3760, 0.3713)
contains.

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Color

Yxy(45.8672, 0.3760, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	D2AE8C
RGB	210, 174, 140
RGB Percent	82%, 68%, 55%
CMY	0.1765, 0.3176, 0.4510
CMYK	0.00, 0.17, 0.33, 0.18
HSL	29°, 44%, 69%
HSV	29°, 33%, 82%
XYZ	46.4478, 45.8672, 31.2164
YIQ	180.8880, 32.3700, -2.9420

Conversions

Conversions Part 2

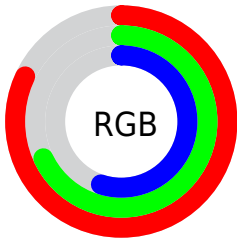
Format	Color
R _Y B	210, 206, 140
Decimal	13807244
CIE Lab	73.46, 8.23, 22.36
CIE LCh	73, 23.830, 69.789
Yxy	45.8672, 0.3760, 0.3713
Android (android.graphics.Color)	4291997324 (0xFFD2AE8C)
YUV	180.8880, -20.1578, 25.5312
Hunter-Lab	67.7253, 3.9006, 20.0794

Details

The Yxy color **45.8672, 0.3760, 0.3713** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.2775, 0.2598, 0.2824**, and the grayscale version is **46.2437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1937, 0.3547, 0.3645**, and **21.5273, 0.3930, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **41.3015, 0.4004, 0.3842**, and if you desaturate by 10%, it is **50.8908, 0.3541, 0.3581**.

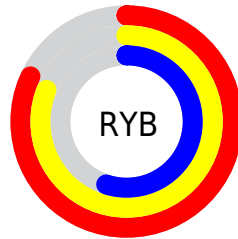
Distribution



Red (82%)

Green (68%)

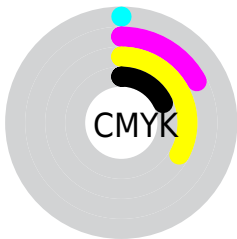
Blue (55%)



Red (82%)

Yellow (81%)

Blue (55%)

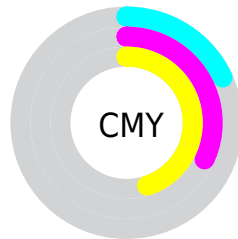


Cyan (0%)

Magenta (17%)

Yellow (33%)

Black (18%)



Cyan (18%)


Magenta (32%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8672, 0.3760, 0.3713 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 45.8672, 0.3760, 0.3713 by changing the saturation by 10% instead.


 45.8672, 0.3760,
0.3713


 45.8672, 0.3760,
0.3713


370.2745, 0.3442,
0.3508


 32.1410, 0.3839,
0.3761


 84.0202, 0.3644,
0.3640

 21.4692, 0.3940,
0.3822


 109.2159, 0.3601,
0.3613

 13.4674, 0.4074,
0.3898


 139.0035, 0.3564,
0.3589

 7.7512, 0.4256,
0.3997

173.7674, 0.3533,
0.3568

 3.9362, 0.4517,
0.4124

213.8921, 0.3506,
0.3550

 1.6379, 0.5256,
0.4580

259.7619, 0.3482,

 0.3830, 0.5960,

0.3535

0.4040

311.7612, 0.3461,
0.3521

0.0000, 0.0000,
0.0000

45.8672, 0.3760,
0.3713

45.8672, 0.3760,
0.3713

41.3015, 0.4004,
0.3842

50.8908, 0.3541,
0.3581

37.1729, 0.4270,
0.3960

56.3797, 0.3348,
0.3452

33.4677, 0.4549,
0.4056

62.3493, 0.3179,
0.3329

30.1693, 0.4830,
0.4119

68.8119, 0.3031,
0.3214

27.2591, 0.5096,
0.4134

75.7796, 0.2903,
0.3107

■ 24.7165, 0.5326,
0.4095

■ 82.5351, 0.2852,
0.3120

■ 23.2072, 0.5462,
0.4045

■ 89.0409, 0.2857,
0.3233

■ 92.4415, 0.2860,
0.3289

Harmonies

Analogous

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



45.8672, 0.3781, 0.3461



45.8672, 0.3760, 0.3713



45.8672, 0.3563, 0.3870

Triad

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



45.8672, 0.3760, 0.3713



45.8672, 0.2656, 0.3374



45.8672, 0.2972, 0.2784

Complementary

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



45.8672, 0.3760, 0.3713



41.2775, 0.2598, 0.2824

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.



45.8672, 0.2690, 0.2742



45.8672, 0.3760, 0.3713



45.8672, 0.2515, 0.3062

Square

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



45.8672, 0.3760, 0.3713



45.8672, 0.2923, 0.3679



45.8672, 0.2527, 0.2837



45.8672, 0.3312, 0.2943

Rectangle

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



45.8672, 0.3760, 0.3713



45.8672, 0.3365, 0.3887



45.8672, 0.2527, 0.2837



45.8672, 0.2868, 0.2756

Sweetspot

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



45.8693, 0.3760, 0.3713



90.3825, 0.3291, 0.3412



35.5995, 0.3501, 0.2845



19.0696, 0.3316, 0.3430



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.



45.8693, 0.3760, 0.3713



66.0598, 0.3931, 0.3805



61.1136, 0.3630, 0.4103



12.7426, 0.3279, 0.3403



14.3560, 0.5438, 0.4064



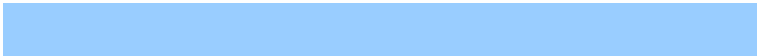
0.9613, 0.5151, 0.4292

Inverse Universe

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



41.2775, 0.2598, 0.2824



57.8703, 0.2483, 0.2705



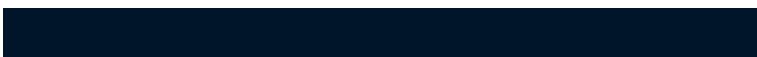
29.3283, 0.2534, 0.2323



12.4086, 0.2982, 0.3174



9.5808, 0.1788, 0.1637



0.6943, 0.1879, 0.1963

Previews

White Background



This preview shows how the Yxy color 45.8672, 0.3760, 0.3713 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 45.8672, 0.3760, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

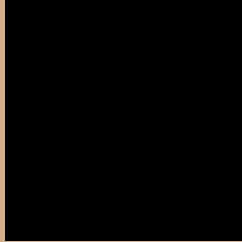
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8672, 0.3760, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 45.8672, 0.3760, 0.3713.



This preview shows how white text looks on a background with the Yxy color 45.8672, 0.3760, 0.3713.

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

45.8672, 0.3760, 0.3713

Protanopia

45.8322, 0.3543, 0.3775

Deuteranopia

45.7776, 0.3783, 0.3698



Tritanopia

45.6376, 0.3439, 0.3134

Trichromacy



Original Color

45.8672, 0.3760, 0.3713

Protanomaly

45.9359, 0.3624, 0.3753

Deuteranomaly

45.6295, 0.3774, 0.3700

Tritanomaly

45.6488, 0.3563, 0.3340

Monochromacy



Original Color

45.8672, 0.3760, 0.3713

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8004, 0.3351, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8672, 0.3760, 0.3713 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(210, 174, 140)` looks like.

```
.text, #text, p{  
    color:rgb(210, 174, 140)  
}
```

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(210, 174, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 174, 140) }
```

Border

The CSS property to change the border of an element to Yxy 45.8672, 0.3760, 0.3713 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(210, 174, 140) }
```

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

```
.border{ border-color:rgb(210, 174, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 174, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 174, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 174, 140);  
box-shadow:4px 4px 4px 4px rgb(210, 174,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8672, 0.3760, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 174, 140) }
```

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

```
.background{ background-color: rgb(210,  
174, 140) }
```

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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