

Converting Colors

$Y_{xy}(44.4957, 0.3956, 0.3715)$

Have a look what the booklet for
Yxy(44.4957, 0.3956, 0.3715)
contains.

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Color

Yxy(44.5190, 0.3960, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	DCA784
RGB	220, 167, 132
RGB Percent	86%, 65%, 52%
CMY	0.1374, 0.3450, 0.4823
CMYK	0.00, 0.24, 0.40, 0.14
HSL	24°, 56%, 69%
HSV	24°, 40%, 86%
XYZ	47.4933, 44.5190, 27.9203
YIQ	178.8570, 42.8230, 0.3510

Conversions

Conversions Part 2

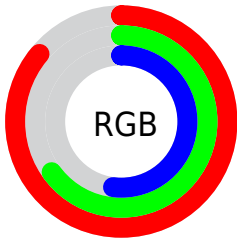
Format	Color
R_{YB}	220, 190, 132
Decimal	14460804
CIE Lab	72.57, 14.98, 25.65
CIE LCh	73, 29.706, 59.713
Yxy	44.5190, 0.3960, 0.3712
Android (android.graphics.Color)	4292650884 (0xFFDCA784)
YUV	178.8570, -23.1005, 36.0824
Hunter-Lab	66.7226, 10.2924, 21.8957

Details

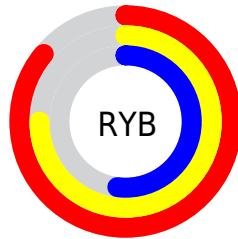
The Yxy color **44.5190, 0.3960, 0.3712** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.7541, 0.2505, 0.2819**, and the grayscale version is **45.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0053, 0.3627, 0.3669**, and **20.6572, 0.4200, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **39.3742, 0.4246, 0.3813**, and if you desaturate by 10%, it is **50.2919, 0.3706, 0.3604**.

Distribution



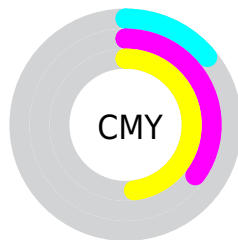
- Red (86%)
- Green (65%)
- Blue (52%)



- Red (86%)
- Yellow (75%)
- Blue (52%)



- Cyan (0%)
- Magenta (24%)
- Yellow (40%)
- Black (14%)





- Cyan (14%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5190, 0.3960, 0.3712 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 44.5190, 0.3960, 0.3712 by changing the saturation by 10% instead.


 44.5190, 0.3960,
0.3712


 44.5190, 0.3960,
0.3712


364.8220, 0.3539,
0.3514


 31.0787, 0.4065,
0.3756


 81.9981, 0.3807,
0.3644

 20.6588, 0.4199,
0.3809


 106.8058, 0.3749,
0.3617

 12.8748, 0.4376,
0.3873


 136.1714, 0.3700,
0.3594

 7.3424, 0.4617,
0.3948

170.4793, 0.3659,
0.3574

 3.6772, 0.4958,
0.4027

210.1139, 0.3623,
0.3556

 1.4947, 0.5729,
0.4271

255.4596, 0.3591,

 0.2850, 0.6908,

0.3540

0.3092

306.9009, 0.3563,
0.3526

0.0000, 0.0000,
0.0000

44.5190, 0.3960,
0.3712

44.5190, 0.3960,
0.3712

39.3742, 0.4246,
0.3813

50.2919, 0.3706,
0.3604

34.8282, 0.4557,
0.3897

56.7082, 0.3483,
0.3495

30.8586, 0.4882,
0.3952

63.7904, 0.3292,
0.3389

27.4387, 0.5200,
0.3965

71.5579, 0.3127,
0.3290

24.5390, 0.5485,
0.3925

80.0295, 0.2986,
0.3198

■ 22.1194, 0.5721,
0.3839

■ 88.6304, 0.2914,
0.3203

■ 22.1175, 0.5721,
0.3839

■ 93.9518, 0.2917,
0.3289

Harmonies

Analogous

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



44.5190, 0.3907, 0.3379



44.5190, 0.3960, 0.3712



44.5190, 0.3775, 0.3967

Triad

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



44.5190, 0.3960, 0.3712



44.5190, 0.2633, 0.3532



44.5190, 0.2799, 0.2629

Complementary

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



44.5190, 0.3960, 0.3712



44.7541, 0.2505, 0.2819

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.



44.5190, 0.2495, 0.2628



44.5190, 0.3960, 0.3712



44.5190, 0.2404, 0.3120

Square

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



44.5190, 0.3960, 0.3712



44.5190, 0.3002, 0.3891



44.5190, 0.2356, 0.2795



44.5190, 0.3212, 0.2780

Rectangle

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



44.5190, 0.3960, 0.3712



44.5190, 0.3551, 0.4047



44.5190, 0.2356, 0.2795



44.5190, 0.2682, 0.2611

Sweetspot

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



44.5211, 0.3960, 0.3712



86.9883, 0.3330, 0.3411



35.2712, 0.3511, 0.2655



18.3341, 0.3354, 0.3425



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.



44.5211, 0.3960, 0.3712



56.1184, 0.4198, 0.3798



62.8289, 0.3765, 0.4176



13.8977, 0.3282, 0.3384



13.1877, 0.5694, 0.3861



1.0199, 0.5396, 0.4098

Inverse Universe

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



44.7541, 0.2505, 0.2819



56.4540, 0.2381, 0.2699



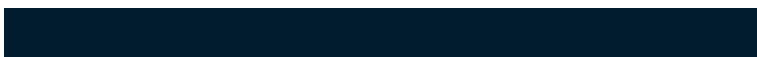
29.4973, 0.2411, 0.2212



13.9146, 0.2982, 0.3195



13.0114, 0.1872, 0.1937



1.0096, 0.1939, 0.2181

Previews

White Background



This preview shows how the Yxy color 44.5190, 0.3960, 0.3712 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 44.5190, 0.3960, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

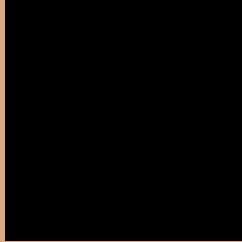
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5190, 0.3960, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 44.5190, 0.3960, 0.3712.



This preview shows how white text looks on a background with the Yxy color 44.5190, 0.3960, 0.3712.

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

44.5190, 0.3960, 0.3712

Protanopia

44.5941, 0.3582, 0.3833

Deuteranopia

44.6134, 0.3864, 0.3787



Tritanopia

44.3930, 0.3615, 0.3139

Trichromacy



Original Color

44.5190, 0.3960, 0.3712

Protanomaly

44.4389, 0.3719, 0.3791

Deuteranomaly

44.6843, 0.3897, 0.3769

Tritanomaly

44.3856, 0.3746, 0.3339

Monochromacy



Original Color

44.5190, 0.3960, 0.3712

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7379, 0.3410, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5190, 0.3960, 0.3712 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(220, 167, 132)` looks like.

```
.text, #text, p{  
    color:rgb(220, 167, 132)  
}
```

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(220, 167, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 167, 132) }
```

Border

The CSS property to change the border of an element to Yxy 44.5190, 0.3960, 0.3712 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(220, 167, 132) }
```

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

```
.border{ border-color:rgb(220, 167, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 167, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 167, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 167, 132);  
box-shadow:4px 4px 4px 4px rgb(220, 167,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5190, 0.3960, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 167, 132) }
```

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

```
.background{ background-color: rgb(220,  
167, 132) }
```

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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