

Converting Colors

$Y_{xy}(44.8564, 0.4214, 0.4042)$

Have a look what the booklet for
Yxy(44.8564, 0.4214, 0.4042)
contains.

Yxy(44.9050, 0.4217, 0.4045)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.9050, 0.4217, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	DEA968
RGB	222, 169, 104
RGB Percent	87%, 66%, 41%
CMY	0.1293, 0.3373, 0.5922
CMYK	0.00, 0.24, 0.53, 0.13
HSL	33°, 64%, 64%
HSV	33°, 53%, 87%
XYZ	46.8144, 44.9050, 19.2942
YIQ	177.4370, 52.4530, -8.9790

Conversions

Conversions Part 2

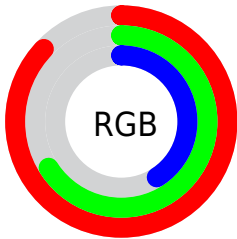
Format	Color
RYB	200, 222, 104
Decimal	14592360
CIELab	72.83, 11.98, 40.82
CIElCh	73, 42.540, 73.641
Yxy	44.9050, 0.4217, 0.4045
Android (android.graphics.Color)	4292782440 (0xFFDEA968)
YUV	177.4370, -36.2044, 39.0818
Hunter-Lab	67.0112, 7.4316, 29.8368

Details

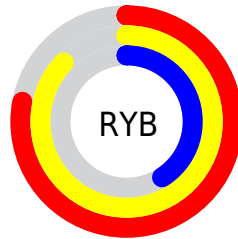
The Yxy color **44.9050, 0.4217, 0.4045** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.3348, 0.2259, 0.2360**, and the grayscale version is **44.3832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9716, 0.3823, 0.3982**, and **20.8909, 0.4497, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **40.9434, 0.4471, 0.4156**, and if you desaturate by 10%, it is **49.2727, 0.3971, 0.3911**.

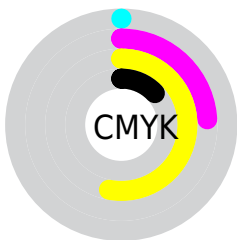
Distribution



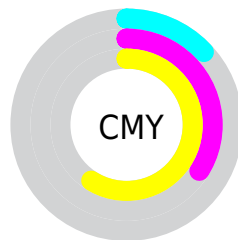
- Red (87%)
- Green (66%)
- Blue (41%)



- Red (78%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (24%)
- Yellow (53%)
- Black (13%)





- Cyan (13%)
- Magenta (34%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9050, 0.4217, 0.4045 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 44.9050, 0.4217, 0.4045 by changing the saturation by 10% instead.


 44.9050, 0.4217,
0.4045

 44.9050, 0.4217,
0.4045


366.3887, 0.3678,
0.3695


 31.3826, 0.4344,
0.4119


 82.5778, 0.4025,
0.3927


 20.8904, 0.4501,
0.4206


 107.4971, 0.3952,
0.3879

 13.0439, 0.4697,
0.4303


 136.9840, 0.3889,
0.3838

 7.4588, 0.4941,
0.4403

 171.4231, 0.3835,
0.3802

 3.7506, 0.5391,
0.4609

211.1987, 0.3788,
0.3770

 1.5351, 0.5561,
0.4439

256.6953, 0.3747,

 0.3132, 0.6533,

0.3742

0.3467

308.2971, 0.3710,
0.3717

0.0000, 0.0000,
0.0000

44.9050, 0.4217,
0.4045

44.9050, 0.4217,
0.4045

40.9434, 0.4471,
0.4156

49.2727, 0.3971,
0.3911

37.3657, 0.4722,
0.4232

54.0547, 0.3741,
0.3766

34.1565, 0.4955,
0.4261

59.2667, 0.3531,
0.3618

31.2958, 0.5155,
0.4237

64.9215, 0.3343,
0.3472

29.5214, 0.5274,
0.4194

71.0313, 0.3176,
0.3332

■ 77.6078, 0.3029,
0.3201

■ 84.3751, 0.2925,
0.3124

■ 90.3708, 0.2927,
0.3226

■ 94.2723, 0.2929,
0.3289

Harmonies

Analogous

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



44.9050, 0.4322, 0.3605



44.9050, 0.4217, 0.4045



44.9050, 0.3814, 0.4345

Triad

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



44.9050, 0.4217, 0.4045



44.9050, 0.2255, 0.3342



44.9050, 0.2913, 0.2455

Complementary

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



44.9050, 0.4217, 0.4045



32.3348, 0.2259, 0.2360

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.



44.9050, 0.2413, 0.2349



44.9050, 0.4217, 0.4045



44.9050, 0.2064, 0.2792

Square

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



44.9050, 0.4217, 0.4045



44.9050, 0.2678, 0.3952



44.9050, 0.2120, 0.2453



44.9050, 0.3526, 0.2738

Rectangle

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



44.9050, 0.4217, 0.4045



44.9050, 0.3445, 0.4386



44.9050, 0.2120, 0.2453



44.9050, 0.2727, 0.2398

Sweetspot

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



44.9072, 0.4217, 0.4045



86.5040, 0.3396, 0.3514



27.8691, 0.3952, 0.2675



18.1690, 0.3435, 0.3545



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.



44.9072, 0.4217, 0.4045



55.3578, 0.4505, 0.4169



67.8676, 0.3849, 0.4585



14.9458, 0.3278, 0.3419



17.7573, 0.5254, 0.4210



1.4089, 0.5046, 0.4375

Inverse Universe

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



32.3348, 0.2259, 0.2360



36.4354, 0.2087, 0.2117



18.4820, 0.2146, 0.1615



14.2521, 0.2981, 0.3157



8.7301, 0.1728, 0.1419



0.7820, 0.1810, 0.1715

Previews

White Background



This preview shows how the Yxy color 44.9050, 0.4217, 0.4045 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 44.9050, 0.4217, 0.4045 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 44.9050, 0.4217, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 44.9050, 0.4217, 0.4045.



This preview shows how white text looks on a background with the Yxy color 44.9050, 0.4217, 0.4045.

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

44.9050, 0.4217, 0.4045

Protanopia

45.0587, 0.3875, 0.4198

Deuteranopia

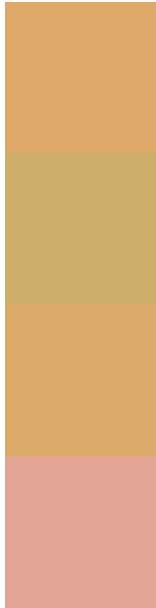
45.0307, 0.4165, 0.4080



Tritanopia

45.0008, 0.3663, 0.3152

Trichromacy



Original Color

44.9050, 0.4217, 0.4045

Protanomaly

44.7006, 0.3992, 0.4134

Deuteranomaly

44.8090, 0.4182, 0.4066

Tritanomaly

44.8578, 0.3878, 0.3480

Monochromacy



Original Color

44.9050, 0.4217, 0.4045

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.8116, 0.3509, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9050, 0.4217, 0.4045 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(222, 169, 104)` looks like.

```
.text, #text, p{  
    color:rgb(222, 169, 104)  
}
```

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(222, 169, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 169, 104) }
```

Border

The CSS property to change the border of an element to Yxy 44.9050, 0.4217, 0.4045 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(222, 169, 104) }
```

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

```
.border{ border-color:rgb(222, 169, 104) }
```

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

Here you see how a box with a 4 pixel rgb(222, 169, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 169, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 169, 104);  
box-shadow:4px 4px 4px 4px rgb(222, 169,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9050, 0.4217, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 169, 104) }
```

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

```
.background{ background-color: rgb(222,  
169, 104) }
```

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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