

Converting Colors

$Y_{xy}(45.5991, 0.4166, 0.4159)$

Have a look what the booklet for
Yxy(45.5991, 0.4166, 0.4159)
contains.

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Color

Yxy(45.4062, 0.4165, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	D8AD64
RGB	216, 173, 100
RGB Percent	85%, 68%, 39%
CMY	0.1530, 0.3215, 0.6078
CMYK	0.00, 0.20, 0.54, 0.15
HSL	38°, 60%, 62%
HSV	38°, 54%, 85%
XYZ	45.5593, 45.4062, 18.4206
YIQ	177.5350, 49.0610, -13.5870

Conversions

Conversions Part 2

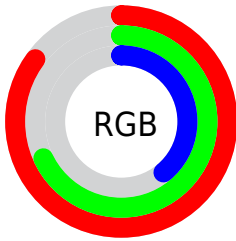
Format	Color
RYB	168, 216, 100
Decimal	14200164
CIELab	73.16, 7.00, 43.11
CIELCh	73, 43.672, 80.774
Yxy	45.4062, 0.4165, 0.4151
Android (android.graphics.Color)	4292390244 (0xFFD8AD64)
YUV	177.5350, -38.2248, 33.7338
Hunter-Lab	67.3841, 2.7641, 30.9609

Details

The Yxy color **45.4062, 0.4165, 0.4151** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.3048, 0.2223, 0.2210**, and the grayscale version is **44.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0138, 0.3834, 0.4059**, and **21.1741, 0.4421, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **42.0660, 0.4388, 0.4277**, and if you desaturate by 10%, it is **49.0454, 0.3943, 0.4001**.

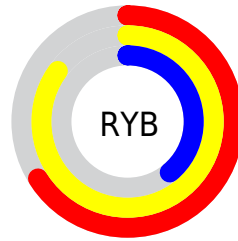
Distribution



Red (85%)

Green (68%)

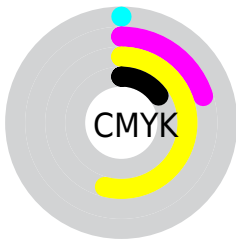
Blue (39%)



Red (66%)

Yellow (85%)

Blue (39%)

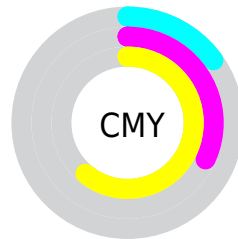


Cyan (0%)

Magenta (20%)

Yellow (54%)

Black (15%)



Cyan (15%)


Magenta (32%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4062, 0.4165, 0.4151 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 45.4062, 0.4165, 0.4151 by changing the saturation by 10% instead.


 45.4062, 0.4165,
0.4151


 45.4062, 0.4165,
0.4151


368.4162, 0.3657,
0.3745

 31.7775, 0.4283,
0.4239


 83.3296, 0.3986,
0.4012

 21.1916, 0.4426,
0.4343


 108.3931, 0.3917,
0.3957

 13.2641, 0.4601,
0.4463


 138.0370, 0.3858,
0.3910

 7.6107, 0.4813,
0.4593

 172.6457, 0.3807,
0.3868

 3.8469, 0.5178,
0.4822

212.6036, 0.3762,
0.3832

 1.5883, 0.5279,
0.4721

258.2950, 0.3723,

 0.3497, 0.5900,

0.3799

0.4100

310.1044, 0.3688,
0.3771

0.0000, 0.0000,
0.0000

45.4062, 0.4165,
0.4151

45.4062, 0.4165,
0.4151

42.0660, 0.4388,
0.4277

49.0454, 0.3943,
0.4001

39.0062, 0.4602,
0.4367

52.9883, 0.3729,
0.3838

36.2153, 0.4795,
0.4411

57.2472, 0.3530,
0.3671

33.6774, 0.4957,
0.4402

61.8318, 0.3348,
0.3505

32.1930, 0.5045,
0.4376

66.7513, 0.3184,
0.3347

■ 72.0142, 0.3036,
0.3197

■ 77.6288, 0.2906,
0.3057

■ 82.4034, 0.2887,
0.3103

■ 87.1422, 0.2890,
0.3187

Harmonies

Analogous

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



45.4062, 0.4356, 0.3722



45.4062, 0.4165, 0.4151



45.4062, 0.3699, 0.4403

Triad

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



45.4062, 0.4165, 0.4151



45.4062, 0.2167, 0.3194



45.4062, 0.3052, 0.2493

Complementary

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



45.4062, 0.4165, 0.4151



27.3048, 0.2223, 0.2210

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.



45.4062, 0.2502, 0.2338



45.4062, 0.4165, 0.4151



45.4062, 0.2033, 0.2676

Square

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



45.4062, 0.4165, 0.4151



45.4062, 0.2547, 0.3829



45.4062, 0.2149, 0.2389



45.4062, 0.3681, 0.2815

Rectangle

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



45.4062, 0.4165, 0.4151



45.4062, 0.3307, 0.4385



45.4062, 0.2149, 0.2389



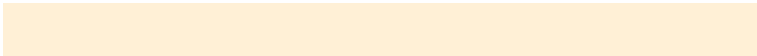
45.4062, 0.2851, 0.2420

Sweetspot

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



45.4084, 0.4165, 0.4151



88.3766, 0.3391, 0.3546



25.7398, 0.4070, 0.2761



18.6160, 0.3429, 0.3580



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.



45.4084, 0.4165, 0.4151



60.8500, 0.4408, 0.4287



62.6433, 0.3791, 0.4626



13.7105, 0.3275, 0.3436



19.2710, 0.5028, 0.4389



1.3183, 0.4847, 0.4533

Inverse Universe

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



27.3048, 0.2223, 0.2210



32.0286, 0.2046, 0.1944



17.6189, 0.2195, 0.1623



12.7549, 0.2982, 0.3139



6.5232, 0.1664, 0.1189



0.5494, 0.1761, 0.1539

Previews

White Background



This preview shows how the Yxy color 45.4062, 0.4165, 0.4151 looks on a white background.

Color Contrast Check

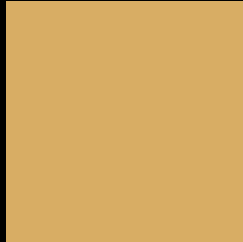
Large Text (above 18pt) WCAG AA × Fail

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 45.4062, 0.4165, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

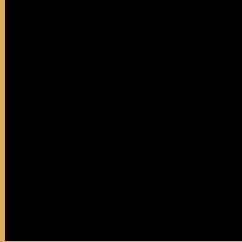
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4062, 0.4165, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 45.4062, 0.4165, 0.4151.



This preview shows how white text looks on a background with the Yxy color 45.4062, 0.4165, 0.4151.

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

45.4062, 0.4165, 0.4151

Protanopia

45.4721, 0.3925, 0.4275

Deuteranopia

45.6408, 0.4210, 0.4126



Tritanopia

45.4132, 0.3569, 0.3139

Trichromacy



Original Color

45.4062, 0.4165, 0.4151

Protanomaly

45.2212, 0.4017, 0.4227

Deuteranomaly

45.4852, 0.4200, 0.4129

Tritanomaly

45.0230, 0.3799, 0.3508

Monochromacy



Original Color

45.4062, 0.4165, 0.4151

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.4591, 0.3494, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4062, 0.4165, 0.4151 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, 173, 100)` looks like.

```
.text, #text, p{  
    color:rgb(216, 173, 100)  
}
```

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, 173, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 173, 100) }
```

Border

The CSS property to change the border of an element to Yxy 45.4062, 0.4165, 0.4151 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, 173, 100) }
```

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

```
.border{ border-color:rgb(216, 173, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 173, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 173, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 173, 100);  
box-shadow:4px 4px 4px 4px rgb(216, 173,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4062, 0.4165, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 173, 100) }
```

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

```
.background{ background-color: rgb(216,  
173, 100) }
```

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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