

Converting Colors

$Y_{xy}(46.1421, 0.4216, 0.4317)$

Have a look what the booklet for
Yxy(46.1421, 0.4216, 0.4317)
contains.

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Color

Yxy(46.0514, 0.4214, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	D6B058
RGB	214, 176, 88
RGB Percent	84%, 69%, 35%
CMY	0.1609, 0.3098, 0.6548
CMYK	0.00, 0.18, 0.59, 0.16
HSL	42°, 61%, 59%
HSV	42°, 59%, 84%
XYZ	45.0152, 46.0514, 15.7564
YIQ	177.3300, 50.8960, -19.3120

Conversions

Conversions Part 2

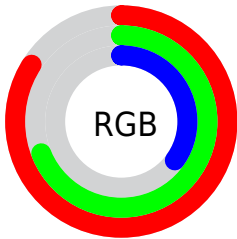
Format	Color
RYB	142, 214, 88
Decimal	14069848
CIELab	73.58, 3.63, 49.44
CIELCh	74, 49.578, 85.806
Yxy	46.0514, 0.4214, 0.4311
Android (android.graphics.Color)	4292259928 (0xFFD6B058)
YUV	177.3300, -44.0397, 32.1596
Hunter-Lab	67.8612, -0.3504, 33.7365

Details

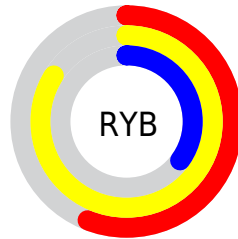
The Yxy color **46.0514, 0.4214, 0.4311** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.8537, 0.2108, 0.1950**, and the grayscale version is **44.3673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3053, 0.3898, 0.4199**, and **21.6168, 0.4458, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **43.2791, 0.4406, 0.4433**, and if you desaturate by 10%, it is **49.0524, 0.4013, 0.4159**.

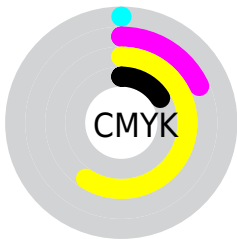
Distribution



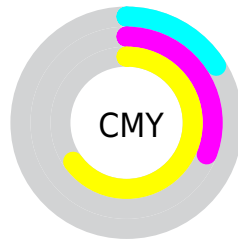
- Red (84%)
- Green (69%)
- Blue (35%)



- Red (56%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (59%)
- Black (16%)





- Cyan (16%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0514, 0.4214, 0.4311 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 46.0514, 0.4214, 0.4311 by changing the saturation by 10% instead.


 46.0514, 0.4214,
0.4311

 46.0514, 0.4214,
0.4311


371.0153, 0.3693,
0.3831


 32.2864, 0.4329,
0.4413


 84.2959, 0.4034,
0.4148


 21.5803, 0.4466,
0.4532


 109.5442, 0.3964,
0.4083

 13.5489, 0.4625,
0.4666


 139.3890, 0.3903,
0.4027

 7.8076, 0.4817,
0.4818

 174.2148, 0.3850,
0.3978

 3.9721, 0.5031,
0.4969

214.4059, 0.3803,
0.3935

 1.6579, 0.5083,
0.4917

260.3468, 0.3762,

 0.3962, 0.5400,

0.3896

0.4600

312.4218, 0.3726,
0.3862

0.0000, 0.0000,
0.0000

46.0514, 0.4214,
0.4311

46.0514, 0.4214,
0.4311

43.2791, 0.4406,
0.4433

49.0524, 0.4013,
0.4159

40.7179, 0.4580,
0.4513

52.2853, 0.3812,
0.3987

38.3572, 0.4726,
0.4545

55.7614, 0.3617,
0.3805

36.1777, 0.4843,
0.4530

59.4891, 0.3434,
0.3622

35.9374, 0.4855,
0.4527

63.4761, 0.3265,
0.3442

■ 67.7299, 0.3110,
0.3271

■ 72.2574, 0.2971,
0.3110

■ 76.7904, 0.2870,
0.3002

■ 80.3984, 0.2873,
0.3071

Harmonies

Analogous

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



46.0514, 0.4501, 0.3842



46.0514, 0.4214, 0.4311



46.0514, 0.3650, 0.4564

Triad

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



46.0514, 0.4214, 0.4311



46.0514, 0.2011, 0.3059



46.0514, 0.3155, 0.2453

Complementary

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



46.0514, 0.4214, 0.4311



21.8537, 0.2108, 0.1950

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.



46.0514, 0.2514, 0.2247



46.0514, 0.4214, 0.4311



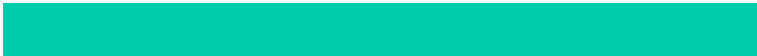
46.0514, 0.1914, 0.2521

Square

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



46.0514, 0.4214, 0.4311



46.0514, 0.2383, 0.3782



46.0514, 0.2086, 0.2258



46.0514, 0.3863, 0.2831

Rectangle

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



46.0514, 0.4214, 0.4311



46.0514, 0.3204, 0.4503



46.0514, 0.2086, 0.2258



46.0514, 0.2924, 0.2362

Sweetspot

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



46.0536, 0.4214, 0.4311



88.8752, 0.3422, 0.3609



22.8351, 0.4340, 0.2823



18.6641, 0.3474, 0.3663



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.



46.0536, 0.4214, 0.4311



63.2565, 0.4458, 0.4460



59.8502, 0.3769, 0.4772



13.8585, 0.3274, 0.3452



21.9167, 0.4843, 0.4536



1.4640, 0.4705, 0.4646

Inverse Universe

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



21.8537, 0.2108, 0.1950



24.2512, 0.1902, 0.1609



15.2274, 0.2159, 0.1481



12.6130, 0.2982, 0.3122



5.3467, 0.1614, 0.1010



0.4666, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 46.0514, 0.4214, 0.4311 looks on a white background.

Color Contrast Check

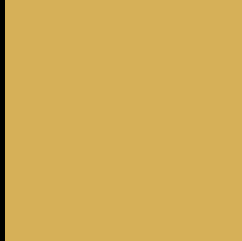
Large Text (above 18pt) WCAG AA × Fail

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 46.0514, 0.4214, 0.4311 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 46.0514, 0.4214, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 46.0514, 0.4214, 0.4311.



This preview shows how white text looks on a background with the Yxy color 46.0514, 0.4214, 0.4311.

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

46.0514, 0.4214, 0.4311

Protanopia

46.0653, 0.4034, 0.4404

Deuteranopia

45.9143, 0.4321, 0.4222



Tritanopia

46.0567, 0.3536, 0.3138

Trichromacy



Original Color

46.0514, 0.4214, 0.4311

Protanomaly

45.9406, 0.4101, 0.4372

Deuteranomaly

45.8241, 0.4286, 0.4245

Tritanomaly

45.8848, 0.3806, 0.3581

Monochromacy



Original Color

46.0514, 0.4214, 0.4311

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4358, 0.3516, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0514, 0.4214, 0.4311 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(214, 176, 88)` looks like.

```
.text, #text, p{  
    color:rgb(214, 176, 88)  
}
```

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(214, 176, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 176, 88) }
```

Border

The CSS property to change the border of an element to Yxy 46.0514, 0.4214, 0.4311 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(214, 176, 88) }
```

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

```
.border{ border-color:rgb(214, 176, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 176, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 176, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 176, 88);  
box-shadow:4px 4px 4px 4px rgb(214, 176,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0514, 0.4214, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 176, 88) }
```

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

```
.background{ background-color: rgb(214,  
176, 88) }
```

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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