

Converting Colors

$Y_{xy}(46.3605, 0.3995, 0.4002)$

Have a look what the booklet for
Yxy(46.3605, 0.3995, 0.4002)
contains.

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Color

Yxy(46.2404, 0.3995, 0.3992)

Conversions

Conversions Part 1

Format	Color
Hex	D6AF75
RGB	214, 175, 117
RGB Percent	84%, 69%, 46%
CMY	0.1607, 0.3137, 0.5412
CMYK	0.00, 0.18, 0.45, 0.16
HSL	36°, 54%, 65%
HSV	36°, 45%, 84%
XYZ	46.2751, 46.2404, 23.3171
YIQ	180.0490, 41.8620, -9.7700

Conversions

Conversions Part 2

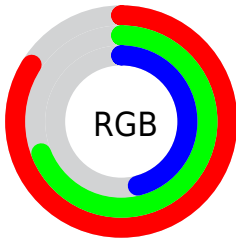
Format	Color
RYB	182, 214, 117
Decimal	14069621
CIELab	73.70, 6.70, 35.00
CIELCh	74, 35.637, 79.161
Yxy	46.2404, 0.3995, 0.3992
Android (android.graphics.Color)	4292259701 (0xFFD6AF75)
YUV	180.0490, -31.0832, 29.7750
Hunter-Lab	68.0003, 2.4712, 27.2698

Details

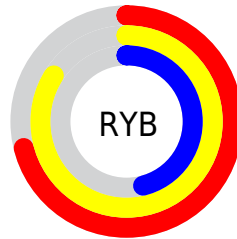
The Yxy color **46.2404, 0.3995, 0.3992** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.4205, 0.2376, 0.2456**, and the grayscale version is **45.8245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7559, 0.3708, 0.3899**, and **21.7393, 0.4224, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **42.5511, 0.4228, 0.4132**, and if you desaturate by 10%, it is **50.2627, 0.3773, 0.3838**.

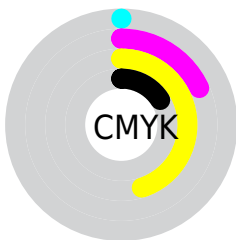
Distribution



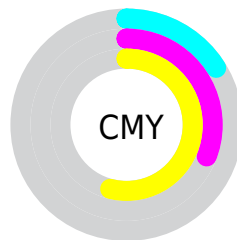
- Red (84%)
- Green (69%)
- Blue (46%)



- Red (71%)
- Yellow (84%)
- Blue (46%)



- Cyan (0%)
- Magenta (18%)
- Yellow (45%)
- Black (16%)





- Cyan (16%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2404, 0.3995, 0.3992 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 46.2404, 0.3995, 0.3992 by changing the saturation by 10% instead.

 46.2404, 0.3995,
0.3992


 46.2404, 0.3995,
0.3992

371.7743, 0.3566,
0.3656

 32.4356, 0.4098,
0.4068


 84.5787, 0.3842,
0.3875

 21.6944, 0.4226,
0.4161


 109.8809, 0.3783,
0.3829

 13.6325, 0.4388,
0.4274


 139.7844, 0.3733,
0.3790

 7.8655, 0.4597,
0.4409

174.6735, 0.3691,
0.3756

 4.0090, 0.4918,
0.4611

214.9326, 0.3653,
0.3726

 1.6786, 0.5255,
0.4745

260.9462, 0.3621,

 0.4098, 0.5744,

0.3700

0.4256

313.0986, 0.3592,
0.3677

0.0000, 0.0000,
0.0000

46.2404, 0.3995,
0.3992

46.2404, 0.3995,
0.3992

42.5511, 0.4228,
0.4132

50.2627, 0.3773,
0.3838

39.1764, 0.4463,
0.4247

54.6224, 0.3566,
0.3678

36.1054, 0.4688,
0.4324

59.3322, 0.3378,
0.3520

33.3235, 0.4892,
0.4353

64.4017, 0.3209,
0.3368


30.8137, 0.5062,
0.4329

69.8403, 0.3059,
0.3224

 29.7224, 0.5134,
0.4305

 75.6569, 0.2926,
0.3090

 81.0756, 0.2874,
0.3084

 86.1306, 0.2878,
0.3174

 91.4274, 0.2882,
0.3263

Harmonies

Analogous

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



46.2404, 0.4126, 0.3642



46.2404, 0.3995, 0.3992



46.2404, 0.3630, 0.4187

Triad

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



46.2404, 0.3995, 0.3992



46.2404, 0.2349, 0.3249



46.2404, 0.3044, 0.2616

Complementary

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



46.2404, 0.3995, 0.3992



32.4205, 0.2376, 0.2456

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.



46.2404, 0.2595, 0.2497



46.2404, 0.3995, 0.3992



46.2404, 0.2221, 0.2815

Square

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



46.2404, 0.3995, 0.3992



46.2404, 0.2680, 0.3748



46.2404, 0.2307, 0.2558



46.2404, 0.3553, 0.2882

Rectangle

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



46.2404, 0.3995, 0.3992



46.2404, 0.3312, 0.4171



46.2404, 0.2307, 0.2558



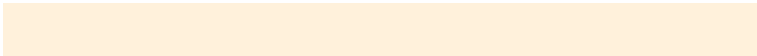
46.2404, 0.2881, 0.2558

Sweetspot

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



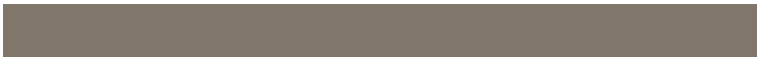
46.2426, 0.3995, 0.3992



89.0899, 0.3357, 0.3502



29.4707, 0.3818, 0.2797



18.7296, 0.3396, 0.3536



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.



46.2426, 0.3995, 0.3992



63.6860, 0.4209, 0.4122



62.4950, 0.3729, 0.4423



13.6431, 0.3276, 0.3429



18.1719, 0.5117, 0.4319



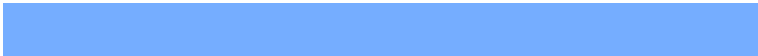
1.2563, 0.4915, 0.4479

Inverse Universe

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



32.4205, 0.2376, 0.2456



40.7858, 0.2221, 0.2248



21.9462, 0.2338, 0.1902



12.8203, 0.2982, 0.3147



7.1549, 0.1689, 0.1279



0.5915, 0.1785, 0.1625

Previews

White Background



This preview shows how the Yxy color 46.2404, 0.3995, 0.3992 looks on a white background.

Color Contrast Check

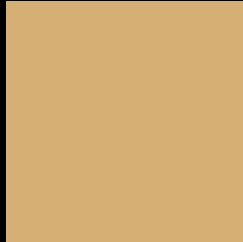
Large Text (above 18pt) WCAG AA × Fail

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 46.2404, 0.3995, 0.3992 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 46.2404, 0.3995, 0.3992

Background



This preview shows how black text looks on a background with the Yxy color 46.2404, 0.3995, 0.3992.



This preview shows how white text looks on a background with the Yxy color 46.2404, 0.3995, 0.3992.

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

46.2404, 0.3995, 0.3992

Protanopia

46.2500, 0.3786, 0.4084

Deuteranopia

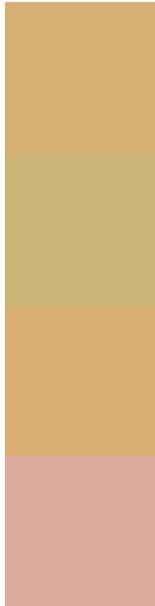
46.0769, 0.4044, 0.3959



Tritanopia

46.1484, 0.3506, 0.3137

Trichromacy



Original Color

46.2404, 0.3995, 0.3992

Protanomaly

46.2447, 0.3861, 0.4056

Deuteranomaly

46.3082, 0.4029, 0.3973

Tritanomaly

46.0892, 0.3694, 0.3448

Monochromacy



Original Color

46.2404, 0.3995, 0.3992

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4816, 0.3428, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2404, 0.3995, 0.3992 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, 175, 117)` looks like.

```
.text, #text, p{  
    color:rgb(214, 175, 117)  
}
```

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, 175, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 175, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.2404, 0.3995, 0.3992 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, 175, 117) }
```

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

```
.border{ border-color:rgb(214, 175, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 175, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 175, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 175, 117);  
box-shadow:4px 4px 4px 4px rgb(214, 175,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2404, 0.3995, 0.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 175, 117) }
```

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

```
.background{ background-color: rgb(214,  
175, 117) }
```

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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