

Converting Colors

$Yxy(46.3237, 0.4307, 0.4072)$

Have a look what the booklet for
Yxy(46.3237, 0.4307, 0.4072)
contains.

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Color

Yxy(46.3276, 0.4307, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	E5AA64
RGB	229, 170, 100
RGB Percent	90%, 67%, 39%
CMY	0.1020, 0.3333, 0.6077
CMYK	0.00, 0.26, 0.56, 0.10
HSL	33°, 71%, 65%
HSV	33°, 56%, 90%
XYZ	48.9892, 46.3276, 18.4264
YIQ	179.6610, 57.6340, -9.2620

Conversions

Conversions Part 2

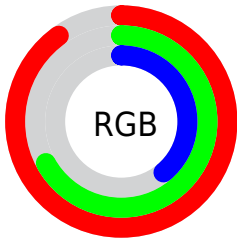
Format	Color
R _Y B	209, 229, 100
Decimal	15051364
CIE Lab	73.76, 14.00, 44.13
CIE LCh	74, 46.297, 72.395
Yxy	46.3276, 0.4307, 0.4073
Android (android.graphics.Color)	4293241444 (0xFFE5AA64)
YUV	179.6610, -39.2729, 43.2703
Hunter-Lab	68.0644, 9.3623, 31.5941

Details

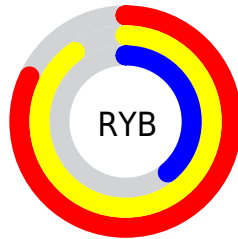
The Yxy color **46.3276, 0.4307, 0.4073** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1764, 0.2211, 0.2307**, and the grayscale version is **45.6449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3774, 0.3846, 0.4031**, and **21.7332, 0.4604, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **42.1742, 0.4566, 0.4173**, and if you desaturate by 10%, it is **50.9232, 0.4054, 0.3947**.

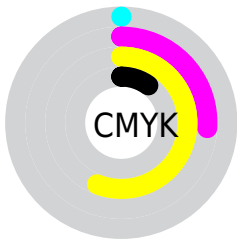
Distribution



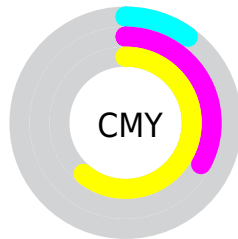
- Red (90%)
- Green (67%)
- Blue (39%)



- Red (82%)
- Yellow (90%)
- Blue (39%)



- Cyan (0%)
- Magenta (26%)
- Yellow (56%)
- Black (10%)





- Cyan (10%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3276, 0.4307, 0.4073 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 46.3276, 0.4307, 0.4073 by changing the saturation by 10% instead.


 46.3276, 0.4307,
0.4073


 46.3276, 0.4307,
0.4073


372.1241, 0.3729,
0.3718


 32.5044, 0.4441,
0.4145


 84.7091, 0.4103,
0.3955


 21.7471, 0.4605,
0.4227


 110.0361, 0.4024,
0.3907

 13.6712, 0.4807,
0.4315


 139.9666, 0.3957,
0.3866

 7.8923, 0.5054,
0.4398

 174.8849, 0.3899,
0.3829

 4.0261, 0.5461,
0.4539

215.1754, 0.3848,
0.3796

 1.6882, 0.5646,
0.4354

261.2225, 0.3803,

 0.4160, 0.6393,

0.3767

0.3607

313.4107, 0.3764,
0.3741

0.0000, 0.0000,
0.0000

46.3276, 0.4307,
0.4073

46.3276, 0.4307,
0.4073

42.1742, 0.4566,
0.4173

50.9232, 0.4054,
0.3947

38.4381, 0.4817,
0.4233

55.9706, 0.3816,
0.3806

35.1016, 0.5045,
0.4243

61.4876, 0.3597,
0.3660

32.1411, 0.5236,
0.4198

67.4884, 0.3401,
0.3514

31.1333, 0.5301,
0.4173

73.9869, 0.3226,
0.3374

■ 80.9960, 0.3073,
0.3242

■ 88.1796, 0.2968,
0.3172

■ 94.6413, 0.2970,
0.3278

■ 95.3977, 0.2970,
0.3290

Harmonies

Analogous

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



46.3276, 0.4409, 0.3598



46.3276, 0.4307, 0.4073



46.3276, 0.3881, 0.4415

Triad

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



46.3276, 0.4307, 0.4073



46.3276, 0.2206, 0.3370



46.3276, 0.2869, 0.2392

Complementary

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



46.3276, 0.4307, 0.4073



33.1764, 0.2211, 0.2307

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.



46.3276, 0.2344, 0.2286



46.3276, 0.4307, 0.4073



46.3276, 0.1995, 0.2770

Square

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



46.3276, 0.4307, 0.4073



46.3276, 0.2665, 0.4032



46.3276, 0.2045, 0.2403



46.3276, 0.3527, 0.2684

Rectangle

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



46.3276, 0.4307, 0.4073



46.3276, 0.3488, 0.4477



46.3276, 0.2045, 0.2403



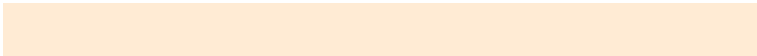
46.3276, 0.2673, 0.2334

Sweetspot

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



46.3299, 0.4307, 0.4073



85.5094, 0.3415, 0.3526



28.3255, 0.3999, 0.2620



17.9625, 0.3454, 0.3555



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.



46.3299, 0.4307, 0.4073



52.7871, 0.4619, 0.4189



72.9176, 0.3900, 0.4641



15.6571, 0.3279, 0.3418



18.0447, 0.5279, 0.4190



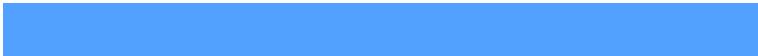
1.5187, 0.5078, 0.4350

Inverse Universe

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



33.1764, 0.2211, 0.2307



34.4590, 0.2036, 0.2049



17.7425, 0.2064, 0.1498



14.9680, 0.2981, 0.3159



9.2174, 0.1734, 0.1443



0.8650, 0.1811, 0.1721

Previews

White Background



This preview shows how the Yxy color 46.3276, 0.4307, 0.4073 looks on a white background.

Color Contrast Check

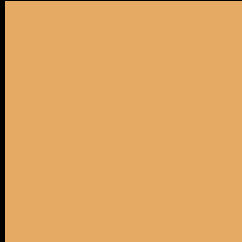
Large Text (above 18pt) WCAG AA × Fail

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 46.3276, 0.4307, 0.4073 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 46.3276, 0.4307, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 46.3276, 0.4307, 0.4073.



This preview shows how white text looks on a background with the Yxy color 46.3276, 0.4307, 0.4073.

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

46.3276, 0.4307, 0.4073

Protanopia

46.5975, 0.3917, 0.4267

Deuteranopia

46.3176, 0.4229, 0.4140



Tritanopia

46.2079, 0.3719, 0.3145

Trichromacy



Original Color

46.3276, 0.4307, 0.4073

Protanomaly

46.5217, 0.4053, 0.4194

Deuteranomaly

46.4135, 0.4264, 0.4118

Tritanomaly

45.9811, 0.3955, 0.3487

Monochromacy



Original Color

46.3276, 0.4307, 0.4073

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2908, 0.3541, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3276, 0.4307, 0.4073 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(229, 170, 100)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 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(229, 170, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 100) }
```

Border

The CSS property to change the border of an element to Yxy 46.3276, 0.4307, 0.4073 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(229, 170, 100) }
```

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

```
.border{ border-color:rgb(229, 170, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 170, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 100);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3276, 0.4307, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 100) }
```

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

```
.background{ background-color: rgb(229,  
170, 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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