

Converting Colors

$Y_{xy}(46.4625, 0.4075, 0.4227)$

Have a look what the booklet for
Yxy(46.4625, 0.4075, 0.4227)
contains.

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Color

Yxy(46.4625, 0.4075, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	D2B264
RGB	210, 178, 100
RGB Percent	82%, 70%, 39%
CMY	0.1766, 0.3019, 0.6078
CMYK	0.00, 0.15, 0.52, 0.18
HSL	43°, 55%, 61%
HSV	43°, 52%, 82%
XYZ	44.7917, 46.4625, 18.6641
YIQ	178.6760, 44.1100, -17.4740

Conversions

Conversions Part 2

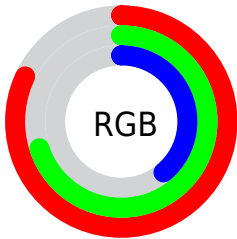
Format	Color
RYB	145, 210, 100
Decimal	13808228
CIELab	73.84, 1.83, 43.80
CIELCh	74, 43.843, 87.602
Yxy	46.4625, 0.4075, 0.4227
Android (android.graphics.Color)	4291998308 (0xFFD2B264)
YUV	178.6760, -38.7873, 27.4711
Hunter-Lab	68.1634, -1.9895, 31.4799

Details

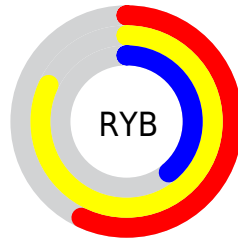
The Yxy color **46.4625, 0.4075, 0.4227** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.8499, 0.2220, 0.2107**, and the grayscale version is **45.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3726, 0.3811, 0.4113**, and **21.9243, 0.4301, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **43.7350, 0.4270, 0.4372**, and if you desaturate by 10%, it is **49.4071, 0.3876, 0.4059**.

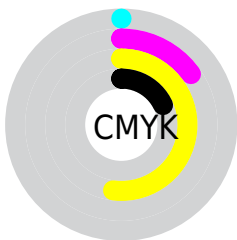
Distribution



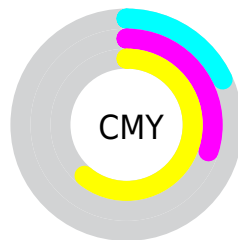
- Red (82%)
- Green (70%)
- Blue (39%)



- Red (57%)
- Yellow (82%)
- Blue (39%)



- Cyan (0%)
- Magenta (15%)
- Yellow (52%)
- Black (18%)





- Cyan (18%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4625, 0.4075, 0.4227 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 46.4625, 0.4075, 0.4227 by changing the saturation by 10% instead.


 46.4625, 0.4075,
0.4227

 46.4625, 0.4075,
0.4227


372.6649, 0.3617,
0.3778

 32.6109, 0.4179,
0.4327


 84.9107, 0.3915,
0.4071


 21.8286, 0.4305,
0.4448


 110.2762, 0.3853,
0.4011

 13.7310, 0.4457,
0.4591


 140.2485, 0.3799,
0.3958

 7.9338, 0.4636,
0.4754

 175.2119, 0.3753,
0.3913

 4.0526, 0.4953,
0.5047

215.5508, 0.3712,
0.3873

 1.7030, 0.4979,
0.5021

261.6497, 0.3677,

 0.4256, 0.5135,

0.3837

0.4865

313.8930, 0.3645,
0.3806

0.0000, 0.0000,
0.0000

46.4625, 0.4075,
0.4227

46.4625, 0.4075,
0.4227

43.7350, 0.4270,
0.4372

49.4071, 0.3876,
0.4059

41.2084, 0.4452,
0.4482

52.5710, 0.3681,
0.3877

38.8741, 0.4612,
0.4548

55.9643, 0.3495,
0.3691

36.7192, 0.4743,
0.4565

59.5945, 0.3322,
0.3508

35.1802, 0.4826,
0.4550

63.4687, 0.3163,
0.3331

■ 67.5934, 0.3018,
0.3163

■ 71.9751, 0.2889,
0.3007

■ 75.7556, 0.2845,
0.2992

■ 79.1485, 0.2848,
0.3057

Harmonies

Analogous

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



46.4625, 0.4339, 0.3825



46.4625, 0.4075, 0.4227



46.4625, 0.3568, 0.4412

Triad

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



46.4625, 0.4075, 0.4227



46.4625, 0.2118, 0.3060



46.4625, 0.3194, 0.2556

Complementary

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



46.4625, 0.4075, 0.4227



23.8499, 0.2220, 0.2107

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.



46.4625, 0.2614, 0.2359



46.4625, 0.4075, 0.4227



46.4625, 0.2042, 0.2592

Square

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



46.4625, 0.4075, 0.4227



46.4625, 0.2443, 0.3685



46.4625, 0.2212, 0.2361



46.4625, 0.3812, 0.2908

Rectangle

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



46.4625, 0.4075, 0.4227



46.4625, 0.3169, 0.4332



46.4625, 0.2212, 0.2361



46.4625, 0.2987, 0.2470

Sweetspot

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



46.4647, 0.4075, 0.4227



90.3141, 0.3386, 0.3577



24.5047, 0.4164, 0.2886



19.0796, 0.3422, 0.3615



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.



46.4647, 0.4075, 0.4227



67.3456, 0.4295, 0.4389



57.6841, 0.3700, 0.4633



13.1931, 0.3273, 0.3454



21.6478, 0.4814, 0.4559



1.3434, 0.4674, 0.4670

Inverse Universe

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



23.8499, 0.2220, 0.2107



28.6749, 0.2023, 0.1800



17.9036, 0.2300, 0.1701



11.9693, 0.2982, 0.3120



5.0263, 0.1608, 0.0987



0.4181, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 46.4625, 0.4075, 0.4227 looks on a white background.

Color Contrast Check

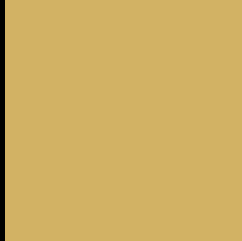
Large Text (above 18pt) WCAG AA × Fail

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 46.4625, 0.4075, 0.4227 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 46.4625, 0.4075, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 46.4625, 0.4075, 0.4227.

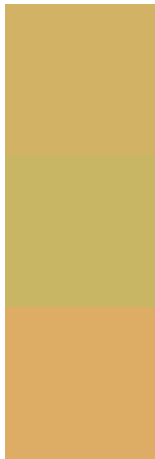


This preview shows how white text looks on a background with the Yxy color 46.4625, 0.4075, 0.4227.

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

46.4625, 0.4075, 0.4227

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

46.3563, 0.4214, 0.4119



Tritanopia

46.5050, 0.3456, 0.3136

Trichromacy



Original Color

46.4625, 0.4075, 0.4227

Protanomaly

46.8247, 0.3993, 0.4271

Deuteranomaly

46.5050, 0.4163, 0.4155

Tritanomaly

46.0682, 0.3696, 0.3536

Monochromacy



Original Color

46.4625, 0.4075, 0.4227

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3894, 0.3467, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4625, 0.4075, 0.4227 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(210, 178, 100)` looks like.

```
.text, #text, p{  
    color:rgb(210, 178, 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(210, 178, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 178, 100) }
```

Border

The CSS property to change the border of an element to Yxy 46.4625, 0.4075, 0.4227 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(210, 178, 100) }
```

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

```
.border{ border-color:rgb(210, 178, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 178, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 178, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 178, 100);  
box-shadow:4px 4px 4px 4px rgb(210, 178,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4625, 0.4075, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 178, 100) }
```

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

```
.background{ background-color: rgb(210,  
178, 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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