

# Converting Colors

$Yxy(46.0547, 0.4437, 0.4559)$

Have a look what the booklet for  
Yxy(46.0547, 0.4437, 0.4559)  
contains.

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# Color

**Yxy(46.0782, 0.4436, 0.4560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B037
RGB	217, 176, 55
RGB Percent	85%, 69%, 22%
CMY	0.1491, 0.3097, 0.7843
CMYK	0.00, 0.19, 0.75, 0.15
HSL	45°, 68%, 53%
HSV	45°, 75%, 85%
XYZ	44.8252, 46.0782, 10.1453
YIQ	174.4650, 63.2770, -28.9390

# Conversions

## Conversions Part 2

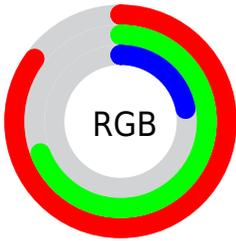
Format	Color
<b>RYB</b>	110, 217, 55
Decimal	14266423
CIELab	73.60, 3.00, 63.81
CIELCh	74, 63.877, 87.306
Yxy	46.0782, 0.4436, 0.4560
Android (android.graphics.Color)	4292456503 (0xFFD9B037)
YUV	174.4650, -58.8962, 37.3032
Hunter-Lab	67.8809, -0.9191, 38.6553

# Details

The Yxy color **46.0782, 0.4436, 0.4560** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **14.1796, 0.1830, 0.1420**, and the grayscale version is **42.8645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5376, 0.4070, 0.4457**, and **21.6844, 0.4627, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **43.8073, 0.4574, 0.4621**, and if you desaturate by 10%, it is **48.5319, 0.4273, 0.4454**.

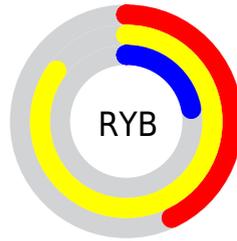
# Distribution



Red (85%)

Green (69%)

Blue (22%)



Red (43%)

Yellow (85%)

Blue (22%)

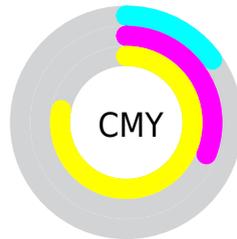


Cyan (0%)

Magenta (19%)

Yellow (75%)

Black (15%)



Cyan (15%)

Magenta (31%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0782, 0.4436, 0.4560 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 46.0782, 0.4436, 0.4560 by changing the saturation by 10% instead.

 46.0782, 0.4436,  
0.4560

 46.0782, 0.4436,  
0.4560

371.1230, 0.3836,  
0.3990

 32.3075, 0.4554,  
0.4668

 84.3360, 0.4239,  
0.4376

 21.5965, 0.4683,  
0.4782

 109.5920, 0.4159,  
0.4300

 13.5607, 0.4818,  
0.4895

 139.4451, 0.4088,  
0.4232

 7.8158, 0.4978,  
0.5022

 174.2799, 0.4025,  
0.4172

 3.9773, 0.5004,  
0.4996

 214.4807, 0.3970,  
0.4119

 1.6609, 0.5047,  
0.4953

 260.4318, 0.3920,

 0.3981, 0.5315,

0.4071

0.4685

312.5178, 0.3876,  
0.4028

0.0000, 0.0000,  
0.0000

46.0782, 0.4436,  
0.4560

46.0782, 0.4436,  
0.4560

43.8073, 0.4574,  
0.4621

48.5319, 0.4273,  
0.4454

41.6986, 0.4682,  
0.4633

51.1735, 0.4093,  
0.4310

40.6262, 0.4731,  
0.4626

54.0152, 0.3904,  
0.4139

57.0662, 0.3716,  
0.3951

60.3350, 0.3532,  
0.3757

■ 63.8291, 0.3359,  
0.3563

■ 67.5558, 0.3198,  
0.3375

■ 71.5220, 0.3050,  
0.3196

■ 75.7342, 0.2916,  
0.3028

# Harmonies

## Analogous

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



46.0782, 0.4855, 0.3952



46.0782, 0.4436, 0.4560



46.0782, 0.3703, 0.4937

# Triad

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



46.0782, 0.4436, 0.4560



46.0782, 0.1723, 0.2921



46.0782, 0.3195, 0.2273

# Complementary

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



46.0782, 0.4436, 0.4560



14.1796, 0.1830, 0.1420

# 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.



46.0782, 0.2383, 0.2013



46.0782, 0.4436, 0.4560



46.0782, 0.1637, 0.2281

# Square

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



46.0782, 0.4436, 0.4560



46.0782, 0.2143, 0.3877



46.0782, 0.1857, 0.2000



46.0782, 0.4112, 0.2734

# Rectangle

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



46.0782, 0.4436, 0.4560



46.0782, 0.3143, 0.4878



46.0782, 0.1857, 0.2000



46.0782, 0.2898, 0.2161

# Sweetspot

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



46.0804, 0.4436, 0.4560



88.1787, 0.3489, 0.3709



18.3660, 0.5029, 0.2869



18.5864, 0.3537, 0.3763



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.



46.0804, 0.4436, 0.4560



61.2475, 0.4644, 0.4634



59.4952, 0.3791, 0.5111



14.6772, 0.3273, 0.3464



24.7754, 0.4721, 0.4633



1.7394, 0.4617, 0.4716



# Inverse Universe

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



14.1796, 0.1830, 0.1420



13.7023, 0.1643, 0.1043



10.0573, 0.1934, 0.1058



13.1497, 0.2981, 0.3110



4.8229, 0.1584, 0.0901

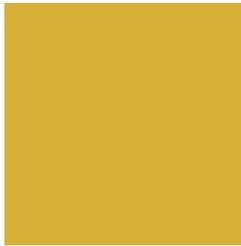


0.4500, 0.1672, 0.1217



# Previews

## White Background



This preview shows how the Yxy color 46.0782, 0.4436, 0.4560 looks on a white background.

## Color Contrast Check

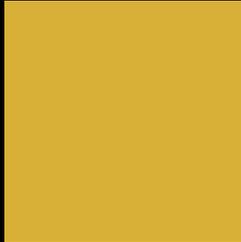
Large Text (above 18pt) WCAG AA × Fail

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 46.0782, 0.4436, 0.4560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

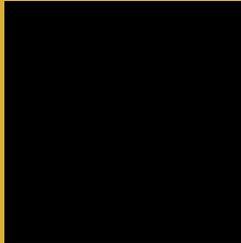
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

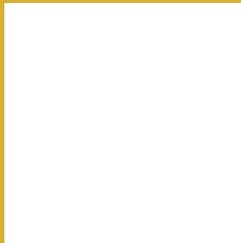
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0782, 0.4436, 0.4560**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0782, 0.4436, 0.4560.



This preview shows how white text looks on a background with the Yxy color 46.0782, 0.4436, 0.4560.

# 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

46.0782, 0.4436, 0.4560

### Protanopia

46.0298, 0.4258, 0.4682

### Deuteranopia

46.1313, 0.4553, 0.4453



## Tritanopia

45.8940, 0.3597, 0.3140

# Trichromacy



## Original Color

46.0782, 0.4436, 0.4560

## Protanomaly

45.9356, 0.4322, 0.4634

## Deuteranomaly

45.8606, 0.4513, 0.4491

## Tritanomaly

45.3867, 0.3975, 0.3707

# Monochromacy



## Original Color

46.0782, 0.4436, 0.4560

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.2458, 0.3644, 0.3876

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0782, 0.4436, 0.4560 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(217, 176, 55)` looks like.

```
.text, #text, p{  
    color:rgb(217, 176, 55)  
}
```

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(217, 176, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 176, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0782, 0.4436, 0.4560 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(217, 176, 55) }
```

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

```
.border{ border-color:rgb(217, 176, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 176, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 176, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 176, 55);  
box-shadow:4px 4px 4px 4px rgb(217, 176,  
55) }
```

# Background

The CSS property to change the background color of an element to Yxy 46.0782, 0.4436, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 176, 55) }
```

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

```
.background{ background-color: rgb(217,  
176, 55) }
```

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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