

# Converting Colors

$Yxy(47.0863, 0.4476, 0.4455)$

Have a look what the booklet for  
Yxy(47.0863, 0.4476, 0.4455)  
contains.

<b>Yxy(47.0264, 0.4477, 0.4454)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(47.0264, 0.4477, 0.4454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1AF3F
RGB	225, 175, 63
RGB Percent	88%, 69%, 25%
CMY	0.1178, 0.3136, 0.7530
CMYK	0.00, 0.22, 0.72, 0.12
HSL	42°, 73%, 56%
HSV	42°, 72%, 88%
XYZ	47.2692, 47.0264, 11.2868
YIQ	177.1820, 65.7520, -24.2320

# Conversions

## Conversions Part 2

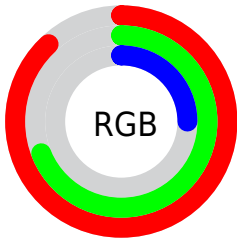
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 225, 63
Decimal	14790463
CIE Lab	74.21, 7.32, 61.58
CIE LCh	74, 62.012, 83.221
Yxy	47.0264, 0.4477, 0.4454
Android (android.graphics.Color)	4292980543 (0xFFE1AF3F)
YUV	177.1820, -56.2917, 41.9364
Hunter-Lab	68.5758, 3.0323, 38.2446

# Details

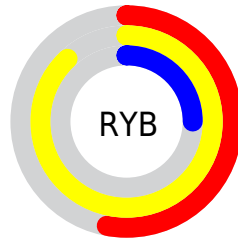
The Yxy color **47.0264, 0.4477, 0.4454** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **18.2854, 0.1898, 0.1612**, and the grayscale version is **44.3426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1380, 0.4038, 0.4393**, and **22.1653, 0.4723, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **44.1950, 0.4646, 0.4517**, and if you desaturate by 10%, it is **50.1038, 0.4287, 0.4346**.

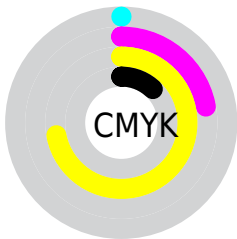
# Distribution



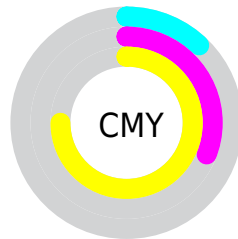
- Red (88%)
- Green (69%)
- Blue (25%)



- Red (53%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (22%)
- Yellow (72%)
- Black (12%)



- Cyan (12%)
- Magenta (31%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0264, 0.4477, 0.4454 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 47.0264, 0.4477, 0.4454 by changing the saturation by 10% instead.





 47.0264, 0.4477,  
0.4454

 47.0264, 0.4477,  
0.4454


374.9199, 0.3851,  
0.3939


 33.0565, 0.4605,  
0.4550


 85.7530, 0.4268,  
0.4289


 22.1698, 0.4749,  
0.4651


 111.2786, 0.4184,  
0.4220


 13.9817, 0.4905,  
0.4747


 141.4248, 0.4110,  
0.4159

 8.1079, 0.5122,  
0.4878

 176.5761, 0.4045,  
0.4105

 4.1641, 0.5183,  
0.4817

 217.1169, 0.3988,  
0.4056

 1.7658, 0.5283,  
0.4717

263.4315, 0.3937,

 0.4657, 0.5716,

0.4013

315.9044, 0.3891,  
0.3974

0.4284

0.0000, 0.0000,  
0.0000

47.0264, 0.4477,  
0.4454

47.0264, 0.4477,  
0.4454

44.1950, 0.4646,  
0.4517

50.1038, 0.4287,  
0.4346

41.5873, 0.4785,  
0.4531

53.4334, 0.4085,  
0.4204

39.6442, 0.4876,  
0.4510

57.0293, 0.3880,  
0.4038

60.9020, 0.3681,  
0.3859

65.0613, 0.3492,  
0.3677

■ 69.5165, 0.3317,  
0.3497

■ 74.2760, 0.3157,  
0.3323

■ 79.3480, 0.3013,  
0.3160

■ 84.0483, 0.2942,  
0.3111

# Harmonies

## Analogous

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



47.0264, 0.4819, 0.3857



47.0264, 0.4477, 0.4454



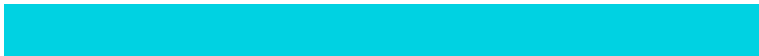
47.0264, 0.3799, 0.4856

# Triad

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



47.0264, 0.4477, 0.4454



47.0264, 0.1802, 0.3051



47.0264, 0.3075, 0.2256

# Complementary

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



47.0264, 0.4477, 0.4454



18.2854, 0.1898, 0.1612

# 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.



47.0264, 0.2320, 0.2033



47.0264, 0.4477, 0.4454



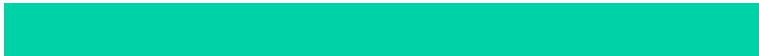
47.0264, 0.1673, 0.2379

# Square

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



47.0264, 0.4477, 0.4454



47.0264, 0.2259, 0.3986



47.0264, 0.1847, 0.2058



47.0264, 0.3964, 0.2683



# Rectangle

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



47.0264, 0.4477, 0.4454



47.0264, 0.3260, 0.4853



47.0264, 0.1847, 0.2058



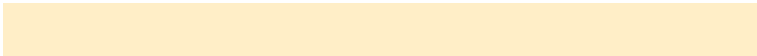
47.0264, 0.2797, 0.2156

# Sweetspot

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



47.0287, 0.4477, 0.4454



86.3553, 0.3495, 0.3679



20.7768, 0.4797, 0.2779



18.1527, 0.3545, 0.3729



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.



47.0287, 0.4477, 0.4454



57.0900, 0.4714, 0.4530



65.8253, 0.3847, 0.5026



15.2791, 0.3275, 0.3452



23.0701, 0.4863, 0.4521



1.7557, 0.4735, 0.4622



# Inverse Universe

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



18.2854, 0.1898, 0.1612



17.3529, 0.1717, 0.1260



11.2992, 0.1918, 0.1092



13.9292, 0.2981, 0.3123



5.7942, 0.1618, 0.1023



0.5570, 0.1703, 0.1331



# Previews

## White Background



This preview shows how the Yxy color 47.0264, 0.4477, 0.4454 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

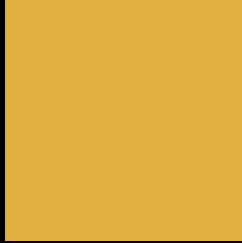
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0264, 0.4477, 0.4454 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 47.0264, 0.4477, 0.4454**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0264, 0.4477, 0.4454.



This preview shows how white text looks on a background with the Yxy color 47.0264, 0.4477, 0.4454.

# 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

47.0264, 0.4477, 0.4454

### Protanopia

47.0860, 0.4207, 0.4629

### Deuteranopia

47.1250, 0.4513, 0.4428



## Tritanopia

47.0091, 0.3672, 0.3155

# Trichromacy



**Original Color**

47.0264, 0.4477, 0.4454

**Protanomaly**

47.0097, 0.4311, 0.4564

**Deuteranomaly**

46.9619, 0.4504, 0.4433

**Tritanomaly**

46.5775, 0.4022, 0.3673

# Monochromacy



**Original Color**

47.0264, 0.4477, 0.4454

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

44.2976, 0.3635, 0.3814

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0264, 0.4477, 0.4454 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(225, 175, 63)` looks like.

```
.text, #text, p{  
    color:rgb(225, 175, 63)  
}
```

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(225, 175, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 175, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0264, 0.4477, 0.4454 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(225, 175, 63) }
```

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

```
.border{ border-color:rgb(225, 175, 63) }
```

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

Here you see how a box with a 4 pixel rgb(225, 175, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 175, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 175, 63);  
box-shadow:4px 4px 4px 4px rgb(225, 175,  
63) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 47.0264, 0.4477, 0.4454$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 175, 63) }
```

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

```
.background{ background-color: rgb(225,  
175, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor