

Converting Colors

$Yxy(41.0597, 0.4557, 0.4447)$

Have a look what the booklet for
Yxy(41.0597, 0.4557, 0.4447)
contains.

Yxy(41.0597, 0.4557, 0.4447)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.0597, 0.4557, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	D8A336
RGB	216, 163, 54
RGB Percent	85%, 64%, 21%
CMY	0.1531, 0.3607, 0.7883
CMYK	0.00, 0.25, 0.75, 0.15
HSL	40°, 67%, 53%
HSV	40°, 75%, 85%
XYZ	42.0753, 41.0597, 9.1962
YIQ	166.4210, 66.5770, -22.6630

Conversions

Conversions Part 2

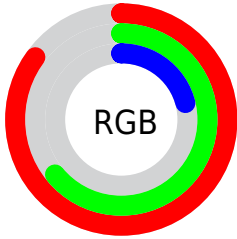
Format	Color
R _Y B	133, 216, 54
Decimal	14197558
CIE Lab	70.22, 9.44, 60.90
CIE LCh	70, 61.628, 81.191
Yxy	41.0597, 0.4557, 0.4447
Android (android.graphics.Color)	4292387638 (0xFFD8A336)
YUV	166.4210, -55.4236, 43.4808
Hunter-Lab	64.0778, 5.0720, 36.3454

Details

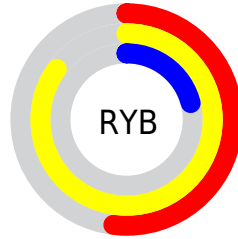
The Yxy color **41.0597, 0.4557, 0.4447** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.2437, 0.1870, 0.1585**, and the grayscale version is **38.5975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4855, 0.4157, 0.4365**, and **18.7564, 0.4800, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **38.4639, 0.4726, 0.4493**, and if you desaturate by 10%, it is **43.8896, 0.4364, 0.4354**.

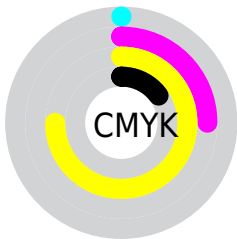
Distribution



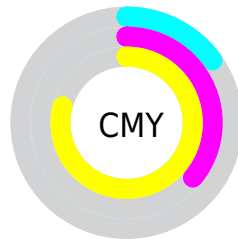
- Red (85%)
- Green (64%)
- Blue (21%)



- Red (52%)
- Yellow (85%)
- Blue (21%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (15%)





- Cyan (15%)
- Magenta (36%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0597, 0.4557, 0.4447 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 41.0597, 0.4557, 0.4447 by changing the saturation by 10% instead.


 41.0597, 0.4557,
0.4447


 41.0597, 0.4557,
0.4447

350.5701, 0.3879,
0.3933


 28.3657, 0.4697,
0.4539


 76.7745, 0.4329,
0.4284


 18.6015, 0.4855,
0.4633


 100.5642, 0.4237,
0.4215

 11.3827, 0.5033,
0.4722


 128.8211, 0.4157,
0.4154

 6.3249, 0.5220,
0.4780

 161.9299, 0.4087,
0.4099

 3.0436, 0.5313,
0.4687

 200.2747, 0.4025,
0.4051

 1.1545, 0.5473,
0.4527

 244.2401, 0.3971,

 0.0241, 0.9131,

0.4007

0.0869

294.2104, 0.3922,
0.3968

0.0000, 0.0000,
0.0000

41.0597, 0.4557,
0.4447

41.0597, 0.4557,
0.4447

38.4639, 0.4726,
0.4493

43.8896, 0.4364,
0.4354

36.0809, 0.4864,
0.4488

46.9602, 0.4158,
0.4224

34.9582, 0.4924,
0.4472

50.2849, 0.3949,
0.4068

53.8739, 0.3744,
0.3897

57.7365, 0.3549,
0.3719

■ 61.8817, 0.3368,
0.3543

■ 66.3175, 0.3204,
0.3372

■ 71.0518, 0.3055,
0.3210

■ 76.0921, 0.2921,
0.3059

Harmonies

Analogous

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



41.0597, 0.4887, 0.3822



41.0597, 0.4557, 0.4447



41.0597, 0.3869, 0.4900

Triad

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



41.0597, 0.4557, 0.4447



41.0597, 0.1778, 0.3096



41.0597, 0.3011, 0.2200

Complementary

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



41.0597, 0.4557, 0.4447



16.2437, 0.1870, 0.1585

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.



41.0597, 0.2248, 0.1986



41.0597, 0.4557, 0.4447



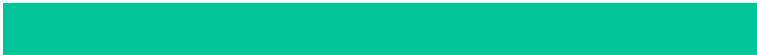
41.0597, 0.1626, 0.2378

Square

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



41.0597, 0.4557, 0.4447



41.0597, 0.2268, 0.4082



41.0597, 0.1785, 0.2028



41.0597, 0.3935, 0.2626

Rectangle

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



41.0597, 0.4557, 0.4447



41.0597, 0.3315, 0.4935



41.0597, 0.1785, 0.2028



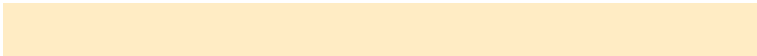
41.0597, 0.2727, 0.2103

Sweetspot

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



41.0617, 0.4557, 0.4447



85.1529, 0.3516, 0.3687



18.3143, 0.4851, 0.2747



17.7713, 0.3584, 0.3752



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.



41.0617, 0.4557, 0.4447



53.9652, 0.4810, 0.4496



60.1782, 0.3880, 0.5055



13.8038, 0.3274, 0.3446



20.9023, 0.4910, 0.4483



1.4087, 0.4756, 0.4606

Inverse Universe

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



16.2437, 0.1870, 0.1585



16.6483, 0.1692, 0.1221



9.3426, 0.1853, 0.1012



12.6651, 0.2982, 0.3129



5.7485, 0.1631, 0.1073



0.4957, 0.1729, 0.1424

Previews

White Background



This preview shows how the Yxy color 41.0597, 0.4557, 0.4447 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 41.0597, 0.4557, 0.4447 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 41.0597, 0.4557, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 41.0597, 0.4557, 0.4447.



This preview shows how white text looks on a background with the Yxy color 41.0597, 0.4557, 0.4447.

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

41.0597, 0.4557, 0.4447

Protanopia

40.9970, 0.4233, 0.4664

Deuteranopia

40.9078, 0.4548, 0.4452



Tritanopia

40.8248, 0.3730, 0.3149

Trichromacy



Original Color

41.0597, 0.4557, 0.4447

Protanomaly

41.0693, 0.4353, 0.4588

Deuteranomaly

40.9078, 0.4548, 0.4452

Tritanomaly

40.4478, 0.4095, 0.3677

Monochromacy



Original Color

41.0597, 0.4557, 0.4447

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5813, 0.3677, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0597, 0.4557, 0.4447 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(216, 163, 54)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 54)  
}
```

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(216, 163, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 54) }
```

Border

The CSS property to change the border of an element to Yxy 41.0597, 0.4557, 0.4447 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(216, 163, 54) }
```

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

```
.border{ border-color:rgb(216, 163, 54) }
```

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

Here you see how a box with a 4 pixel rgb(216, 163, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 54);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0597, 0.4557, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 54) }
```

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

```
.background{ background-color: rgb(216,  
163, 54) }
```

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