

Converting Colors

$Y_{xy}(42.1543, 0.4610, 0.4507)$

Have a look what the booklet for
Yxy(42.1543, 0.4610, 0.4507)
contains.

| | |
|--|----|
| Yxy(42.1522, 0.4611, 0.4507) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(42.1522, 0.4611, 0.4507)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DBA52C |
| RGB | 219, 165, 44 |
| RGB Percent | 86%, 65%, 17% |
| CMY | 0.1412, 0.3529, 0.8273 |
| CMYK | 0.00, 0.25, 0.80, 0.14 |
| HSL | 41°, 71%, 52% |
| HSV | 41°, 80%, 86% |
| XYZ | 43.1249, 42.1522, 8.2490 |
| YIQ | 167.3520, 71.0250, -26.1830 |

Conversions

Conversions Part 2

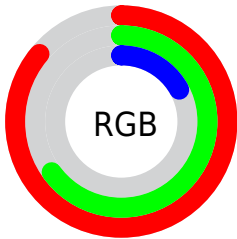
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 122, 219, 44 |
| Decimal | 14394668 |
| CIE Lab | 70.98, 9.31, 65.33 |
| CIE LCh | 71, 65.991, 81.887 |
| Yxy | 42.1522, 0.4611, 0.4507 |
| Android (android.graphics.Color) | 4292584748 (0xFFDBA52C) |
| YUV | 167.3520, -60.8125, 45.2953 |
| Hunter-Lab | 64.9247, 4.9466, 37.9142 |

Details

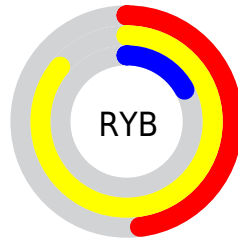
The Yxy color **42.1522, 0.4611, 0.4507** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.3930, 0.1794, 0.1419**, and the grayscale version is **39.1041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3665, 0.4188, 0.4444**, and **19.4056, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **39.6563, 0.4757, 0.4532**, and if you desaturate by 10%, it is **44.8680, 0.4437, 0.4433**.

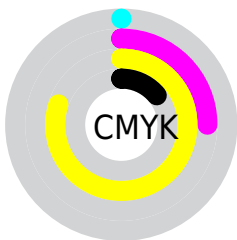
Distribution



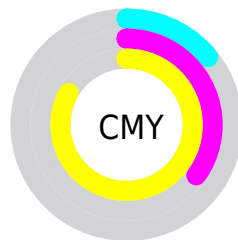
- Red (86%)
- Green (65%)
- Blue (17%)



- Red (48%)
- Yellow (86%)
- Blue (17%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (14%)





- Cyan (14%)
- Magenta (35%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1522, 0.4611, 0.4507 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 42.1522, 0.4611, 0.4507 by changing the saturation by 10% instead.

 42.1522, 0.4611,
0.4507

 42.1522, 0.4611,
0.4507


355.1135, 0.3921,
0.3977


 29.2205, 0.4748,
0.4597


 78.4299, 0.4383,
0.4343


 19.2477, 0.4898,
0.4685


 102.5447, 0.4290,
0.4272

 11.8494, 0.5075,
0.4775


 131.1560, 0.4208,
0.4209

 6.6412, 0.5210,
0.4790

 164.6482, 0.4136,
0.4152

 3.2387, 0.5299,
0.4701

 203.4056, 0.4073,
0.4101

 1.2576, 0.5450,
0.4550

 247.8127, 0.4016,

 0.1080, 0.7534,

0.4056

0.2466

298.2539, 0.3966,
0.4015

0.0000, 0.0000,
0.0000

42.1522, 0.4611,
0.4507

42.1522, 0.4611,
0.4507

39.6563, 0.4757,
0.4532

44.8680, 0.4437,
0.4433

37.3509, 0.4874,
0.4511

47.8114, 0.4243,
0.4317

37.3271, 0.4876,
0.4511

50.9963, 0.4040,
0.4169

54.4336, 0.3836,
0.4000

58.1329, 0.3639,
0.3820

■ 62.1034, 0.3454,
0.3638

■ 66.3534, 0.3282,
0.3459

■ 70.8909, 0.3126,
0.3288

■ 75.7235, 0.2985,
0.3127

Harmonies

Analogous

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



42.1522, 0.4982, 0.3847



42.1522, 0.4611, 0.4507



42.1522, 0.3875, 0.4998

Triad

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



42.1522, 0.4611, 0.4507



42.1522, 0.1700, 0.3054



42.1522, 0.3022, 0.2155

Complementary

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



42.1522, 0.4611, 0.4507



14.3930, 0.1794, 0.1419

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.



42.1522, 0.2215, 0.1926



42.1522, 0.4611, 0.4507



42.1522, 0.1555, 0.2310

Square

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



42.1522, 0.4611, 0.4507



42.1522, 0.2199, 0.4109



42.1522, 0.1727, 0.1960



42.1522, 0.4004, 0.2602

Rectangle

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



42.1522, 0.4611, 0.4507



42.1522, 0.3292, 0.5040



42.1522, 0.1727, 0.1960



42.1522, 0.2721, 0.2052

Sweetspot

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



42.1543, 0.4611, 0.4507



85.2013, 0.3532, 0.3716



17.7740, 0.5077, 0.2786



17.8088, 0.3599, 0.3782



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.



42.1543, 0.4611, 0.4507



53.7019, 0.4839, 0.4519



61.4033, 0.3873, 0.5140



14.5504, 0.3274, 0.3451



22.3347, 0.4863, 0.4521



1.5973, 0.4728, 0.4628

Inverse Universe

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



14.3930, 0.1794, 0.1419



13.9021, 0.1633, 0.1057



8.4597, 0.1795, 0.0910



13.2695, 0.2981, 0.3124



5.6262, 0.1618, 0.1026



0.5150, 0.1709, 0.1354

Previews

White Background



This preview shows how the Yxy color 42.1522, 0.4611, 0.4507 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 42.1522, 0.4611, 0.4507 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 42.1522, 0.4611, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 42.1522, 0.4611, 0.4507.



This preview shows how white text looks on a background with the Yxy color 42.1522, 0.4611, 0.4507.

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

42.1522, 0.4611, 0.4507

Protanopia

42.0715, 0.4290, 0.4732

Deuteranopia

42.1522, 0.4611, 0.4507



Tritanopia

42.1953, 0.3743, 0.3151

Trichromacy



Original Color

42.1522, 0.4611, 0.4507

Protanomaly

42.1527, 0.4408, 0.4652

Deuteranomaly

42.1522, 0.4611, 0.4507

Tritanomaly

41.7062, 0.4143, 0.3717

Monochromacy



Original Color

42.1522, 0.4611, 0.4507

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1167, 0.3721, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1522, 0.4611, 0.4507 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(219, 165, 44)` looks like.

```
.text, #text, p{  
    color:rgb(219, 165, 44)  
}
```

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(219, 165, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 165, 44) }
```

Border

The CSS property to change the border of an element to Yxy 42.1522, 0.4611, 0.4507 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(219, 165, 44) }
```

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

```
.border{ border-color:rgb(219, 165, 44) }
```

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

Here you see how a box with a 4 pixel rgb(219, 165, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 165, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 165, 44);  
box-shadow:4px 4px 4px 4px rgb(219, 165,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1522, 0.4611, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 165, 44) }
```

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

```
.background{ background-color: rgb(219,  
165, 44) }
```

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