

Converting Colors

$Y_{xy}(41.3470, 0.4356, 0.4142)$

Have a look what the booklet for
Yxy(41.3470, 0.4356, 0.4142)
contains.

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Color

Yxy(41.4507, 0.4360, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	DAA258
RGB	218, 162, 88
RGB Percent	85%, 64%, 35%
CMY	0.1452, 0.3646, 0.6549
CMYK	0.00, 0.26, 0.60, 0.15
HSL	34°, 64%, 60%
HSV	34°, 60%, 85%
XYZ	43.5902, 41.4507, 14.9366
YIQ	170.3080, 57.1300, -11.1420

Conversions

Conversions Part 2

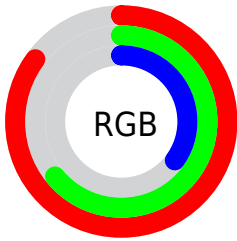
Format	Color
RYB	186, 218, 88
Decimal	14328408
CIELab	70.49, 12.78, 45.97
CIElCh	70, 47.717, 74.464
Yxy	41.4507, 0.4360, 0.4146
Android (android.graphics.Color)	4292518488 (0xFFDAA258)
YUV	170.3080, -40.5778, 41.8259
Hunter-Lab	64.3822, 8.1852, 31.3123

Details

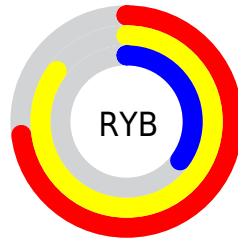
The Yxy color **41.4507, 0.4360, 0.4146** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.0720, 0.2151, 0.2186**, and the grayscale version is **40.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7792, 0.3961, 0.4073**, and **18.7654, 0.4688, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **37.9593, 0.4605, 0.4240**, and if you desaturate by 10%, it is **45.3009, 0.4115, 0.4022**.

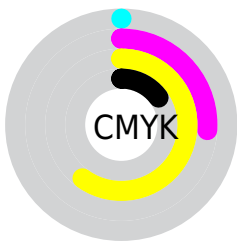
Distribution



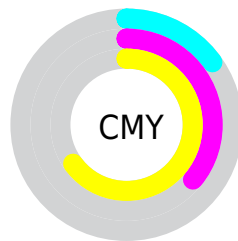
- Red (85%)
- Green (64%)
- Blue (35%)



- Red (73%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)
- Black (15%)



- Cyan (15%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4507, 0.4360, 0.4146 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 41.4507, 0.4360, 0.4146 by changing the saturation by 10% instead.

 41.4507, 0.4360,
0.4146

 41.4507, 0.4360,
0.4146

352.2008, 0.3749,
0.3752

 28.6714, 0.4502,
0.4226


 77.3676, 0.4144,
0.4015

 18.8324, 0.4675,
0.4315


 101.2740, 0.4060,
0.3962

 11.5492, 0.4885,
0.4408


 129.6583, 0.3989,
0.3915

 6.4375, 0.5164,
0.4513

 162.9047, 0.3928,
0.3874

 3.1129, 0.5458,
0.4542

201.3978, 0.3874,
0.3838

 1.1910, 0.5665,
0.4335

245.5219, 0.3827,

 0.0543, 0.8701,

0.3806

0.1299

295.6615, 0.3786,
0.3778

0.0000, 0.0000,
0.0000

41.4507, 0.4360,
0.4146

41.4507, 0.4360,
0.4146

37.9593, 0.4605,
0.4240

45.3009, 0.4115,
0.4022

34.8054, 0.4837,
0.4291

49.5178, 0.3879,
0.3878

31.9737, 0.5041,
0.4291

54.1162, 0.3659,
0.3727

29.4382, 0.5212,
0.4241

59.1082, 0.3460,
0.3574

29.3482, 0.5218,
0.4239

64.5053, 0.3281,
0.3426

■ 70.3181, 0.3122,
0.3285

■ 76.5569, 0.2981,
0.3153

■ 82.7468, 0.2899,
0.3105

■ 88.3276, 0.2903,
0.3202

Harmonies

Analogous

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



41.4507, 0.4502, 0.3644



41.4507, 0.4360, 0.4146



41.4507, 0.3884, 0.4504

Triad

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



41.4507, 0.4360, 0.4146



41.4507, 0.2123, 0.3322



41.4507, 0.2895, 0.2354

Complementary

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



41.4507, 0.4360, 0.4146



27.0720, 0.2151, 0.2186

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.



41.4507, 0.2326, 0.2226



41.4507, 0.4360, 0.4146



41.4507, 0.1922, 0.2695

Square

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



41.4507, 0.4360, 0.4146



41.4507, 0.2590, 0.4044



41.4507, 0.1993, 0.2329



41.4507, 0.3602, 0.2673

Rectangle

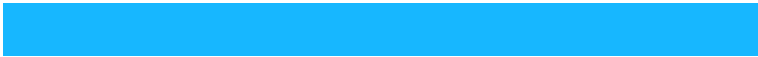
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4507, 0.4360, 0.4146



41.4507, 0.3459, 0.4560



41.4507, 0.1993, 0.2329



41.4507, 0.2682, 0.2288

Sweetspot

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



41.4527, 0.4360, 0.4146



85.4210, 0.3432, 0.3552



23.9058, 0.4138, 0.2641



17.8181, 0.3488, 0.3596



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.



41.4527, 0.4360, 0.4146



52.7507, 0.4677, 0.4260



64.4360, 0.3898, 0.4720



14.2761, 0.3277, 0.3423



17.8045, 0.5199, 0.4254



1.3234, 0.4991, 0.4419

Inverse Universe

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



27.0720, 0.2151, 0.2186



30.5318, 0.1966, 0.1896



14.5644, 0.2030, 0.1406



13.5346, 0.2982, 0.3153



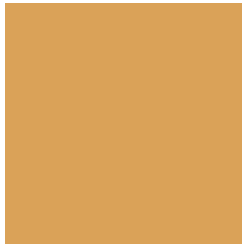
8.0187, 0.1712, 0.1363



0.6885, 0.1801, 0.1682

Previews

White Background



This preview shows how the Yxy color 41.4507, 0.4360, 0.4146 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 41.4507, 0.4360, 0.4146 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 41.4507, 0.4360, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 41.4507, 0.4360, 0.4146.



This preview shows how white text looks on a background with the Yxy color 41.4507, 0.4360, 0.4146.

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

41.4507, 0.4360, 0.4146

Protanopia

41.6070, 0.3975, 0.4340

Deuteranopia

41.5954, 0.4287, 0.4213



Tritanopia

41.3464, 0.3727, 0.3150

Trichromacy



Original Color

41.4507, 0.4360, 0.4146

Protanomaly

41.4106, 0.4109, 0.4265

Deuteranomaly

41.5352, 0.4314, 0.4194

Tritanomaly

41.1127, 0.3984, 0.3520

Monochromacy



Original Color

41.4507, 0.4360, 0.4146

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.0957, 0.3561, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4507, 0.4360, 0.4146 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(218, 162, 88)` looks like.

```
.text, #text, p{  
    color:rgb(218, 162, 88)  
}
```

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(218, 162, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 162, 88) }
```

Border

The CSS property to change the border of an element to Yxy 41.4507, 0.4360, 0.4146 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(218, 162, 88) }
```

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

```
.border{ border-color:rgb(218, 162, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 162, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 162, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 162, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 162,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4507, 0.4360, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 162, 88) }
```

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

```
.background{ background-color: rgb(218,  
162, 88) }
```

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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