

Converting Colors

$Y_{xy}(35.1576, 0.4913, 0.4325)$

Have a look what the booklet for
Yxy(35.1576, 0.4913, 0.4325)
contains.

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Color

Yxy(35.1326, 0.4914, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	DD8F22
RGB	221, 143, 34
RGB Percent	87%, 56%, 13%
CMY	0.1334, 0.4392, 0.8666
CMYK	0.00, 0.35, 0.85, 0.13
HSL	35°, 73%, 50%
HSV	35°, 85%, 87%
XYZ	39.9264, 35.1326, 6.1913
YIQ	153.8960, 81.4770, -17.3630

Conversions

Conversions Part 2

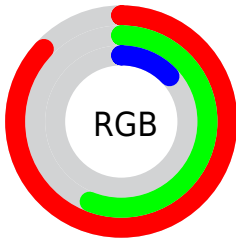
Format	Color
R _{YB}	168, 221, 34
Decimal	14520098
CIE Lab	65.85, 21.65, 64.22
CIE LCh	66, 67.769, 71.365
Yxy	35.1326, 0.4914, 0.4324
Android (android.graphics.Color)	4292710178 (0xFFDD8F22)
YUV	153.8960, -59.1087, 58.8502
Hunter-Lab	59.2728, 16.5110, 35.2979

Details

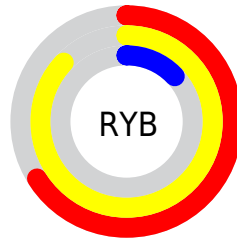
The Yxy color **35.1326, 0.4914, 0.4324** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **17.1449, 0.1817, 0.1598**, and the grayscale version is **32.5064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9307, 0.4400, 0.4322**, and **15.3023, 0.5158, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **32.3906, 0.5094, 0.4299**, and if you desaturate by 10%, it is **38.1874, 0.4701, 0.4295**.

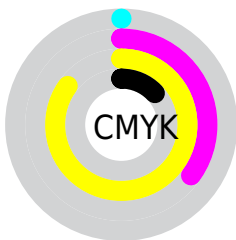
Distribution



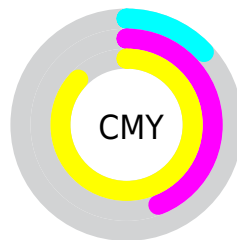
- Red (87%)
- Green (56%)
- Blue (13%)



- Red (66%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (35%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1326, 0.4914, 0.4324 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 35.1326, 0.4914, 0.4324 by changing the saturation by 10% instead.

 35.1326, 0.4914,
0.4324


 35.1326, 0.4914,
0.4324


325.1532, 0.4049,
0.3907

 23.7650, 0.5093,
0.4375


 67.6911, 0.4622,
0.4209

 15.1594, 0.5293,
0.4405


 89.6509, 0.4504,
0.4154


 8.9313, 0.5564,
0.4436


 115.9102, 0.4402,
0.4103

 4.6964, 0.5718,
0.4282

 146.8534, 0.4313,
0.4056

 2.0703, 0.5959,
0.4041

 182.8649, 0.4234,
0.4013

 0.6478, 0.6460,
0.3540

 224.3291, 0.4165,

 0.0000, 1.0000,

0.3974

0.0000

271.6304, 0.4104,
0.3939

■ 0.0000, 0.0000,
0.0000

■ 35.1326, 0.4914,
0.4324

■ 35.1326, 0.4914,
0.4324

■ 32.3906, 0.5094,
0.4299

■ 38.1874, 0.4701,
0.4295

■ 31.0249, 0.5180,
0.4269

■ 41.5683, 0.4467,
0.4218

■ 45.2935, 0.4226,
0.4105

■ 49.3773, 0.3988,
0.3967

■ 53.8332, 0.3763,
0.3815

■ 58.6735, 0.3555,
0.3658

■ 63.9099, 0.3367,
0.3504

■ 69.5532, 0.3198,
0.3356

■ 75.6141, 0.3049,
0.3216

Harmonies

Analogous

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



35.1326, 0.5139, 0.3610



35.1326, 0.4914, 0.4324



35.1326, 0.4216, 0.4980

Triad

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



35.1326, 0.4914, 0.4324



35.1326, 0.1731, 0.3406



35.1326, 0.2666, 0.1960

Complementary

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



35.1326, 0.4914, 0.4324



17.1449, 0.1817, 0.1598

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.



35.1326, 0.1923, 0.1809



35.1326, 0.4914, 0.4324



35.1326, 0.1459, 0.2448

Square

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



35.1326, 0.4914, 0.4324



35.1326, 0.2385, 0.4586



35.1326, 0.1529, 0.1945



35.1326, 0.3702, 0.2358

Rectangle

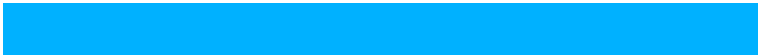
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1326, 0.4914, 0.4324



35.1326, 0.3616, 0.5218



35.1326, 0.1529, 0.1945



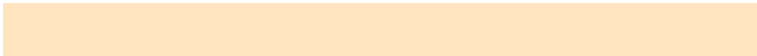
35.1326, 0.2379, 0.1881

Sweetspot

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



35.1344, 0.4914, 0.4324



80.7481, 0.3567, 0.3668



17.7531, 0.4844, 0.2568



16.7651, 0.3639, 0.3723



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.



35.1344, 0.4914, 0.4324



42.6477, 0.5189, 0.4262



65.3044, 0.4055, 0.5064



14.3064, 0.3277, 0.3426



18.2546, 0.5160, 0.4285



1.3514, 0.4960, 0.4443

Inverse Universe

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



17.1449, 0.1817, 0.1598



17.5981, 0.1689, 0.1279



6.9567, 0.1629, 0.0767



13.5049, 0.2982, 0.3150



7.7076, 0.1701, 0.1321



0.6670, 0.1790, 0.1644

Previews

White Background



This preview shows how the Yxy color 35.1326, 0.4914, 0.4324 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 35.1326, 0.4914, 0.4324 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 35.1326, 0.4914, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 35.1326, 0.4914, 0.4324.



This preview shows how white text looks on a background with the Yxy color 35.1326, 0.4914, 0.4324.

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

35.1326, 0.4914, 0.4324

Protanopia

35.3395, 0.4296, 0.4754

Deuteranopia

35.1017, 0.4653, 0.4561



Tritanopia

35.0891, 0.4075, 0.3175

Trichromacy



Original Color

35.1326, 0.4914, 0.4324

Protanomaly

34.8469, 0.4531, 0.4591

Deuteranomaly

35.1491, 0.4747, 0.4475

Tritanomaly

34.8781, 0.4484, 0.3685

Monochromacy



Original Color

35.1326, 0.4914, 0.4324

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4035, 0.3828, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1326, 0.4914, 0.4324 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(221, 143, 34)` looks like.

```
.text, #text, p{  
    color:rgb(221, 143, 34)  
}
```

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(221, 143, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 143, 34) }
```

Border

The CSS property to change the border of an element to Yxy 35.1326, 0.4914, 0.4324 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(221, 143, 34) }
```

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

```
.border{ border-color:rgb(221, 143, 34) }
```

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

Here you see how a box with a 4 pixel rgb(221, 143, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 143, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 143, 34);  
box-shadow:4px 4px 4px 4px rgb(221, 143,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1326, 0.4914, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 143, 34) }
```

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

```
.background{ background-color: rgb(221,  
143, 34) }
```

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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