

Converting Colors

$Y_{xy}(34.0521, 0.4952, 0.4329)$

Have a look what the booklet for
Yxy(34.0521, 0.4952, 0.4329)
contains.

Yxy(33.9049, 0.4952, 0.4326)	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(33.9049, 0.4952, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	DB8C1D
RGB	219, 140, 29
RGB Percent	86%, 55%, 11%
CMY	0.1412, 0.4509, 0.8864
CMYK	0.00, 0.36, 0.87, 0.14
HSL	35°, 77%, 49%
HSV	35°, 87%, 86%
XYZ	38.8112, 33.9049, 5.6587
YIQ	150.9670, 82.7150, -17.7730

Conversions

Conversions Part 2

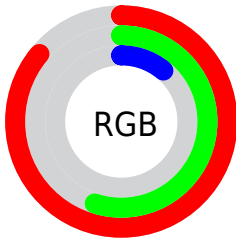
Format	Color
R _Y B	164, 219, 29
Decimal	14388253
CIE Lab	64.89, 22.29, 64.82
CIE LCh	65, 68.551, 71.021
Yxy	33.9049, 0.4952, 0.4326
Android (android.graphics.Color)	4292578333 (0xFFDB8C1D)
YUV	150.9670, -60.1297, 59.6649
Hunter-Lab	58.2279, 17.0783, 34.9977

Details

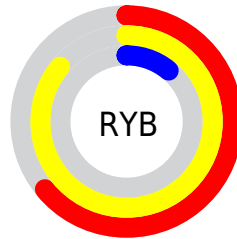
The Yxy color **33.9049, 0.4952, 0.4326** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **16.0888, 0.1795, 0.1549**, and the grayscale version is **31.1680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5155, 0.4446, 0.4325**, and **14.5814, 0.5189, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **31.2824, 0.5123, 0.4291**, and if you desaturate by 10%, it is **36.8272, 0.4746, 0.4308**.

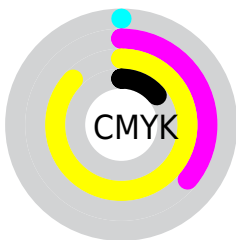
Distribution



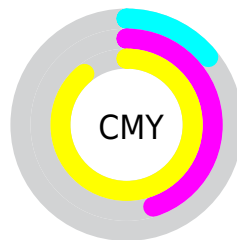
- Red (86%)
- Green (55%)
- Blue (11%)



- Red (64%)
- Yellow (86%)
- Blue (11%)



- Cyan (0%)
- Magenta (36%)
- Yellow (87%)
- Black (14%)





- Cyan (14%)
- Magenta (45%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9049, 0.4952, 0.4326 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 33.9049, 0.4952, 0.4326 by changing the saturation by 10% instead.


 33.9049, 0.4952,
0.4326


 33.9049, 0.4952,
0.4326


319.7078, 0.4066,
0.3912


 22.8206, 0.5134,
0.4373


 65.7858, 0.4653,
0.4214


 14.4611, 0.5337,
0.4396


 87.3510, 0.4533,
0.4160


 8.4420, 0.5596,
0.4404


 113.1788, 0.4428,
0.4109

 4.3791, 0.5760,
0.4240

 143.6533, 0.4337,
0.4062

 1.8878, 0.6020,
0.3980

 179.1591, 0.4256,
0.4019

 0.5410, 0.6657,
0.3343

 220.0805, 0.4186,

 0.0000, 1.0000,

0.3980

0.0000

266.8020, 0.4123,
0.3945

■ 0.0000, 0.0000,
0.0000

■ 33.9049, 0.4952,
0.4326

■ 33.9049, 0.4952,
0.4326

■ 31.2824, 0.5123,
0.4291

■ 36.8272, 0.4746,
0.4308

■ 30.4896, 0.5175,
0.4273

■ 40.0638, 0.4516,
0.4240

■ 43.6326, 0.4276,
0.4133

■ 47.5481, 0.4037,
0.3999

■ 51.8235, 0.3810,
0.3849

■ 56.4710, 0.3598,
0.3693

■ 61.5021, 0.3406,
0.3537

■ 66.9276, 0.3233,
0.3387

■ 72.7579, 0.3080,
0.3245

Harmonies

Analogous

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



33.9049, 0.5182, 0.3600



33.9049, 0.4952, 0.4326



33.9049, 0.4240, 0.5005

Triad

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



33.9049, 0.4952, 0.4326



33.9049, 0.1708, 0.3419



33.9049, 0.2644, 0.1933

Complementary

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



33.9049, 0.4952, 0.4326



16.0888, 0.1795, 0.1549

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.



33.9049, 0.1893, 0.1783



33.9049, 0.4952, 0.4326



33.9049, 0.1430, 0.2435

Square

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



33.9049, 0.4952, 0.4326



33.9049, 0.2376, 0.4633



33.9049, 0.1499, 0.1922



33.9049, 0.3700, 0.2334

Rectangle

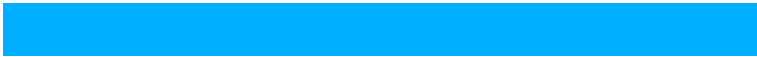
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9049, 0.4952, 0.4326



33.9049, 0.3629, 0.5261



33.9049, 0.1499, 0.1922



33.9049, 0.2353, 0.1853

Sweetspot

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



33.9067, 0.4952, 0.4326



80.1022, 0.3587, 0.3684



17.0216, 0.4964, 0.2611



16.6393, 0.3658, 0.3739



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.



33.9067, 0.4952, 0.4326



42.7591, 0.5185, 0.4265



63.4656, 0.4035, 0.5100



14.3094, 0.3277, 0.3427



18.3013, 0.5156, 0.4288



1.3543, 0.4957, 0.4446

Inverse Universe

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



16.0888, 0.1795, 0.1549



17.5253, 0.1688, 0.1275



6.5445, 0.1618, 0.0741



13.5019, 0.2982, 0.3150



7.6765, 0.1699, 0.1317



0.6648, 0.1789, 0.1640

Previews

White Background



This preview shows how the Yxy color 33.9049, 0.4952, 0.4326 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 33.9049, 0.4952, 0.4326 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 33.9049, 0.4952, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 33.9049, 0.4952, 0.4326.



This preview shows how white text looks on a background with the Yxy color 33.9049, 0.4952, 0.4326.

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

33.9049, 0.4952, 0.4326

Protanopia

34.0342, 0.4326, 0.4769

Deuteranopia

34.0127, 0.4669, 0.4589



Tritanopia

33.7060, 0.4092, 0.3174

Trichromacy



Original Color

33.9049, 0.4952, 0.4326

Protanomaly

33.5750, 0.4565, 0.4600

Deuteranomaly

33.7498, 0.4775, 0.4488

Tritanomaly

33.4999, 0.4509, 0.3689

Monochromacy



Original Color

33.9049, 0.4952, 0.4326

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1591, 0.3853, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9049, 0.4952, 0.4326 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, 140, 29)` looks like.

```
.text, #text, p{  
    color:rgb(219, 140, 29)  
}
```

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, 140, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 140, 29) }
```

Border

The CSS property to change the border of an element to Yxy 33.9049, 0.4952, 0.4326 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, 140, 29) }
```

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

```
.border{ border-color:rgb(219, 140, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 140, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 140, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 140, 29);  
box-shadow:4px 4px 4px 4px rgb(219, 140,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9049, 0.4952, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 140, 29) }
```

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

```
.background{ background-color: rgb(219,  
140, 29) }
```

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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