

Converting Colors

$Y_{xy}(33.6118, 0.5001, 0.4325)$

Have a look what the booklet for
Yxy(33.6118, 0.5001, 0.4325)
contains.

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Color

Yxy(33.4545, 0.5005, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	DC8A17
RGB	220, 138, 23
RGB Percent	86%, 54%, 9%
CMY	0.1372, 0.4588, 0.9096
CMYK	0.00, 0.37, 0.90, 0.14
HSL	35°, 81%, 48%
HSV	35°, 90%, 86%
XYZ	38.7592, 33.4545, 5.2273
YIQ	149.4080, 85.7870, -18.3810

Conversions

Conversions Part 2

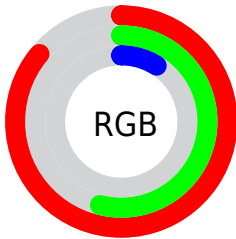
Format	Color
RYB	163, 220, 23
Decimal	14453271
CIELab	64.53, 23.68, 66.15
CIELCh	65, 70.261, 70.305
Yxy	33.4545, 0.5005, 0.4320
Android (android.graphics.Color)	4292643351 (0xFFDC8A17)
YUV	149.4080, -62.3191, 61.9092
Hunter-Lab	57.8399, 18.3953, 35.1296

Details

The Yxy color **33.4545, 0.5005, 0.4320** 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 **15.4621, 0.1771, 0.1494**, and the grayscale version is **30.4801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5685, 0.4484, 0.4335**, and **14.3504, 0.5236, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **30.8780, 0.5170, 0.4274**, and if you desaturate by 10%, it is **36.3241, 0.4807, 0.4317**.

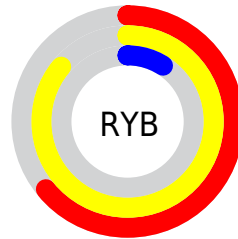
Distribution



Red (86%)

Green (54%)

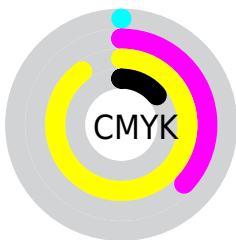
Blue (9%)



Red (64%)

Yellow (86%)

Blue (9%)

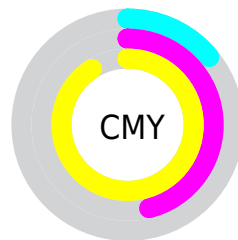


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (46%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4545, 0.5005, 0.4320 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 33.4545, 0.5005, 0.4320 by changing the saturation by 10% instead.


 33.4545, 0.5005,
0.4320


 33.4545, 0.5005,
0.4320


317.6928, 0.4096,
0.3918


 22.4748, 0.5190,
0.4360


 65.0845, 0.4700,
0.4215

 14.2062, 0.5396,
0.4375


 86.5036, 0.4576,
0.4163


 8.2642, 0.5643,
0.4357

 112.1713, 0.4469,
0.4113

 4.2645, 0.5819,
0.4181

 142.4720, 0.4374,
0.4067

 1.8226, 0.6096,
0.3904

 177.7901, 0.4292,
0.4025

 0.5012, 0.6816,
0.3184

 218.5100, 0.4219,

 0.0000, 1.0000,

0.3986

0.0000

265.0161, 0.4154,
0.3951

0.0000, 0.0000,
0.0000

33.4545, 0.5005,
0.4320

33.4545, 0.5005,
0.4320

30.8780, 0.5170,
0.4274

36.3241, 0.4807,
0.4317

30.7614, 0.5177,
0.4271

39.5072, 0.4583,
0.4263

43.0225, 0.4344,
0.4165

46.8851, 0.4103,
0.4038

51.1088, 0.3871,
0.3891

■ 55.7061, 0.3655,
0.3736

■ 60.6889, 0.3457,
0.3580

■ 66.0684, 0.3279,
0.3428

■ 71.8551, 0.3120,
0.3283

Harmonies

Analogous

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



33.4545, 0.5234, 0.3580



33.4545, 0.5005, 0.4320



33.4545, 0.4279, 0.5028

Triad

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



33.4545, 0.5005, 0.4320



33.4545, 0.1683, 0.3448



33.4545, 0.2607, 0.1896

Complementary

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



33.4545, 0.5005, 0.4320



15.4621, 0.1771, 0.1494

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.



33.4545, 0.1850, 0.1749



33.4545, 0.5005, 0.4320



33.4545, 0.1395, 0.2427

Square

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



33.4545, 0.5005, 0.4320



33.4545, 0.2371, 0.4705



33.4545, 0.1458, 0.1896



33.4545, 0.3687, 0.2299

Rectangle

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



33.4545, 0.5005, 0.4320



33.4545, 0.3655, 0.5312



33.4545, 0.1458, 0.1896



33.4545, 0.2312, 0.1817

Sweetspot

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



33.4562, 0.5005, 0.4320



79.3873, 0.3607, 0.3700



16.8527, 0.5046, 0.2626



16.4969, 0.3679, 0.3754



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.



33.4562, 0.5005, 0.4320



42.7036, 0.5187, 0.4263



64.0286, 0.4041, 0.5119



14.3079, 0.3277, 0.3426



18.2780, 0.5158, 0.4286



1.3528, 0.4959, 0.4445

Inverse Universe

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



15.4621, 0.1771, 0.1494



17.5615, 0.1688, 0.1277



6.2224, 0.1591, 0.0703



13.5034, 0.2982, 0.3150



7.6920, 0.1700, 0.1319



0.6659, 0.1789, 0.1642

Previews

White Background



This preview shows how the Yxy color 33.4545, 0.5005, 0.4320 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 33.4545, 0.5005, 0.4320 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 33.4545, 0.5005, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 33.4545, 0.5005, 0.4320.



This preview shows how white text looks on a background with the Yxy color 33.4545, 0.5005, 0.4320.

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

33.4545, 0.5005, 0.4320

Protanopia

33.5498, 0.4345, 0.4793

Deuteranopia

33.5248, 0.4696, 0.4617



Tritanopia

33.2809, 0.4136, 0.3175

Trichromacy



Original Color

33.4545, 0.5005, 0.4320

Protanomaly

33.2293, 0.4595, 0.4613

Deuteranomaly

33.4071, 0.4814, 0.4509

Tritanomaly

33.0350, 0.4577, 0.3707

Monochromacy



Original Color

33.4545, 0.5005, 0.4320

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.3440, 0.3894, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4545, 0.5005, 0.4320 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(220, 138, 23)` looks like.

```
.text, #text, p{  
    color:rgb(220, 138, 23)  
}
```

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(220, 138, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 138, 23) }
```

Border

The CSS property to change the border of an element to Yxy 33.4545, 0.5005, 0.4320 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(220, 138, 23) }
```

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

```
.border{ border-color:rgb(220, 138, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 138, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 138, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 138, 23);  
box-shadow:4px 4px 4px 4px rgb(220, 138,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4545, 0.5005, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 138, 23) }
```

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

```
.background{ background-color: rgb(220,  
138, 23) }
```

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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