

Converting Colors

$Y_{xy}(29.3191, 0.4972, 0.4360)$

Have a look what the booklet for
Yxy(29.3191, 0.4972, 0.4360)
contains.

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Color

$Yxy(29.2588, 0.4974, 0.4356)$

Conversions

Conversions Part 1

Format	Color
Hex	CD8313
RGB	205, 131, 19
RGB Percent	80%, 51%, 7%
CMY	0.1961, 0.4862, 0.9257
CMYK	0.00, 0.36, 0.91, 0.20
HSL	36°, 83%, 44%
HSV	36°, 91%, 80%
XYZ	33.4098, 29.2588, 4.5003
YIQ	140.3580, 80.0560, -19.1440

Conversions

Conversions Part 2

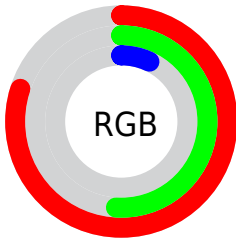
Format	Color
RYB	142, 205, 19
Decimal	13468435
CIELab	61.01, 20.93, 63.62
CIElCh	61, 66.980, 71.788
Yxy	29.2588, 0.4974, 0.4356
Android (android.graphics.Color)	4291658515 (0xFFCD8313)
YUV	140.3580, -59.8295, 56.6910
Hunter-Lab	54.0914, 15.5915, 32.9311

Details

The Yxy color **29.2588, 0.4974, 0.4356** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **12.3640, 0.1749, 0.1423**, and the grayscale version is **26.5855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0910, 0.4571, 0.4291**, and **11.9046, 0.5212, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **27.2617, 0.5119, 0.4318**, and if you desaturate by 10%, it is **31.6400, 0.4789, 0.4353**.

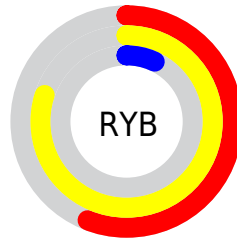
Distribution



Red (80%)

Green (51%)

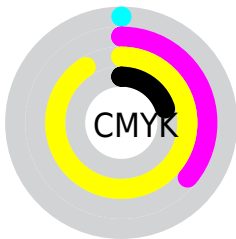
Blue (7%)



Red (56%)

Yellow (80%)

Blue (7%)

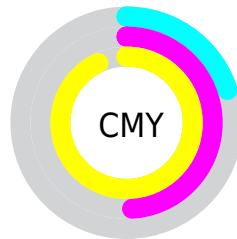


Cyan (0%)

Magenta (36%)

Yellow (91%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2588, 0.4974, 0.4356 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 29.2588, 0.4974, 0.4356 by changing the saturation by 10% instead.


 29.2588, 0.4974,
0.4356


 29.2588, 0.4974,
0.4356


298.4341, 0.4061,
0.3921

 19.2767, 0.5162,
0.4403


 58.4880, 0.4664,
0.4238


 11.8704, 0.5383,
0.4432


 78.5039, 0.4539,
0.4181


 6.6555, 0.5607,
0.4393


 102.6332, 0.4431,
0.4127

 3.2476, 0.5791,
0.4209

 131.2602, 0.4337,
0.4077

 1.2623, 0.6095,
0.3905

 164.7695, 0.4255,
0.4032

 0.1117, 0.8467,
0.1533

 203.5452, 0.4182,

 0.0000, 0.0000,

0.3992

0.0000

247.9720, 0.4118,
0.3954

29.2588, 0.4974,
0.4356

29.2588, 0.4974,
0.4356

27.2617, 0.5119,
0.4318

31.6400, 0.4789,
0.4353

34.2694, 0.4576,
0.4300

37.1627, 0.4347,
0.4203

40.3319, 0.4114,
0.4074

43.7883, 0.3887,
0.3925

■ 47.5419, 0.3673,
0.3767

■ 51.6025, 0.3476,
0.3607

■ 55.9788, 0.3298,
0.3450

■ 60.6793, 0.3138,
0.3301

Harmonies

Analogous

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



29.2588, 0.5233, 0.3616



29.2588, 0.4974, 0.4356



29.2588, 0.4233, 0.5053

Triad

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



29.2588, 0.4974, 0.4356



29.2588, 0.1664, 0.3387



29.2588, 0.2656, 0.1914

Complementary

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



29.2588, 0.4974, 0.4356



12.3640, 0.1749, 0.1423

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.



29.2588, 0.1881, 0.1754



29.2588, 0.4974, 0.4356



29.2588, 0.1394, 0.2392

Square

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



29.2588, 0.4974, 0.4356



29.2588, 0.2332, 0.4645



29.2588, 0.1473, 0.1885



29.2588, 0.3743, 0.2327

Rectangle

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



29.2588, 0.4974, 0.4356



29.2588, 0.3606, 0.5315



29.2588, 0.1473, 0.1885



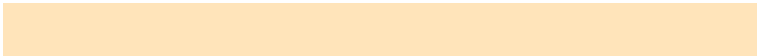
29.2588, 0.2356, 0.1831

Sweetspot

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



29.2603, 0.4974, 0.4356



80.0888, 0.3604, 0.3712



14.2397, 0.5132, 0.2667



16.6625, 0.3674, 0.3768



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.



29.2603, 0.4974, 0.4356



44.2354, 0.5133, 0.4306



54.1963, 0.4015, 0.5145



12.3188, 0.3275, 0.3429



17.1622, 0.5102, 0.4331



1.0311, 0.4878, 0.4509

Inverse Universe

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



12.3640, 0.1749, 0.1423



16.6076, 0.1673, 0.1221



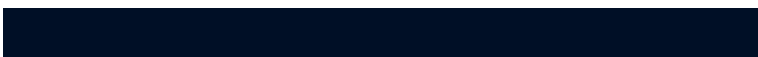
5.2755, 0.1595, 0.0699



11.5639, 0.2983, 0.3147



6.6308, 0.1686, 0.1270



0.4892, 0.1796, 0.1665

Previews

White Background



This preview shows how the Yxy color 29.2588, 0.4974, 0.4356 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2588, 0.4974, 0.4356 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2588, 0.4974, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 29.2588, 0.4974, 0.4356.



This preview shows how white text looks on a background with the Yxy color 29.2588, 0.4974, 0.4356.

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

29.2588, 0.4974, 0.4356

Protanopia

29.3527, 0.4343, 0.4814

Deuteranopia

29.3297, 0.4713, 0.4624



Tritanopia

29.2594, 0.4089, 0.3179

Trichromacy



Original Color

29.2588, 0.4974, 0.4356

Protanomaly

29.1072, 0.4574, 0.4649

Deuteranomaly

29.3804, 0.4814, 0.4527

Tritanomaly

28.8153, 0.4547, 0.3724

Monochromacy



Original Color

29.2588, 0.4974, 0.4356

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.6284, 0.3888, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2588, 0.4974, 0.4356 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(205, 131, 19)` looks like.

```
.text, #text, p{  
    color:rgb(205, 131, 19)  
}
```

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(205, 131, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 131, 19) }
```

Border

The CSS property to change the border of an element to Yxy 29.2588, 0.4974, 0.4356 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(205, 131, 19) }
```

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

```
.border{ border-color:rgb(205, 131, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 131, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 131, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 131, 19);  
box-shadow:4px 4px 4px 4px rgb(205, 131,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2588, 0.4974, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 131, 19) }
```

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

```
.background{ background-color: rgb(205,  
131, 19) }
```

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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