

Converting Colors

$Y_{xy}(29.9907, 0.5120, 0.4245)$

Have a look what the booklet for
Yxy(29.9907, 0.5120, 0.4245)
contains.

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Color

Yxy(29.8247, 0.5123, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	D87F13
RGB	216, 127, 19
RGB Percent	85%, 50%, 7%
CMY	0.1529, 0.5020, 0.9256
CMYK	0.00, 0.41, 0.91, 0.15
HSL	33°, 84%, 46%
HSV	33°, 91%, 85%
XYZ	36.0273, 29.8247, 4.4727
YIQ	141.2990, 87.7120, -14.7200

Conversions

Conversions Part 2

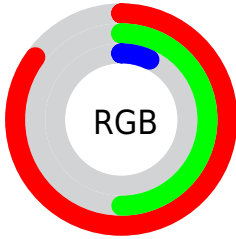
Format	Color
RYB	181, 216, 19
Decimal	14188307
CIELab	61.50, 27.79, 64.62
CIElCh	62, 70.341, 66.728
Yxy	29.8247, 0.5123, 0.4241
Android (android.graphics.Color)	4292378387 (0xFFD87F13)
YUV	141.2990, -60.2934, 65.5128
Hunter-Lab	54.6120, 22.1848, 33.3726

Details

The Yxy color **29.8247, 0.5123, 0.4241** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.8175, 0.1786, 0.1567**, and the grayscale version is **26.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4526, 0.4604, 0.4254**, and **12.2763, 0.5397, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **27.6584, 0.5279, 0.4190**, and if you desaturate by 10%, it is **32.5803, 0.4914, 0.4255**.

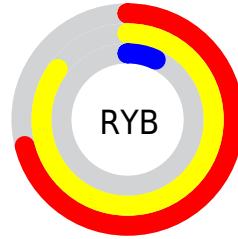
Distribution



Red (85%)

Green (50%)

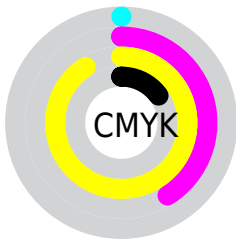
Blue (7%)



Red (71%)

Yellow (85%)

Blue (7%)

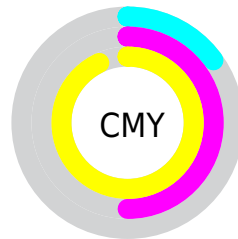


Cyan (0%)

Magenta (41%)

Yellow (91%)

Black (15%)



Cyan (15%)


Magenta (50%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8247, 0.5123, 0.4241 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 29.8247, 0.5123, 0.4241 by changing the saturation by 10% instead.


 29.8247, 0.5123,
0.4241


 29.8247, 0.5123,
0.4241


301.0865, 0.4136,
0.3885

 19.7056, 0.5328,
0.4264


 59.3848, 0.4787,
0.4157

 12.1812, 0.5570,
0.4260


 79.5946, 0.4653,
0.4110

 6.8672, 0.5820,
0.4180


 103.9368, 0.4536,
0.4066

 3.3792, 0.6047,
0.3953

 132.7957, 0.4434,
0.4024

 1.3328, 0.6413,
0.3587

 166.5557, 0.4345,
0.3985

 0.1664, 0.8341,
0.1659

 205.6012, 0.4267,

 0.0000, 0.0000,

0.3949

0.0000

250.3167, 0.4198,
0.3916

29.8247, 0.5123,
0.4241

29.8247, 0.5123,
0.4241

27.6584, 0.5279,
0.4190

32.5803, 0.4914,
0.4255

35.6675, 0.4675,
0.4216

39.1061, 0.4422,
0.4132

42.9122, 0.4168,
0.4016

47.1004, 0.3924,
0.3880

■ 51.6844, 0.3698,
0.3734

■ 56.6767, 0.3492,
0.3587

■ 62.0893, 0.3308,
0.3443

■ 67.9335, 0.3146,
0.3306

Harmonies

Analogous

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



29.8247, 0.5291, 0.3487



29.8247, 0.5123, 0.4241



29.8247, 0.4409, 0.5000

Triad

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



29.8247, 0.5123, 0.4241



29.8247, 0.1696, 0.3606



29.8247, 0.2473, 0.1823

Complementary

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



29.8247, 0.5123, 0.4241



15.8175, 0.1786, 0.1567

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.



29.8247, 0.1743, 0.1704



29.8247, 0.5123, 0.4241



29.8247, 0.1358, 0.2487

Square

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



29.8247, 0.5123, 0.4241



29.8247, 0.2445, 0.4903



29.8247, 0.1385, 0.1891



29.8247, 0.3563, 0.2205

Rectangle

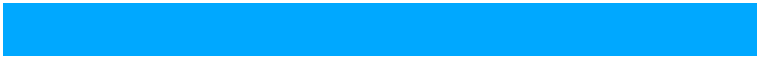
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.8247, 0.5123, 0.4241



29.8247, 0.3777, 0.5356



29.8247, 0.1385, 0.1891



29.8247, 0.2185, 0.1752

Sweetspot

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



29.8263, 0.5123, 0.4241



78.0683, 0.3614, 0.3676



16.2110, 0.4900, 0.2528



16.1858, 0.3687, 0.3727



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.



29.8263, 0.5123, 0.4241



39.9604, 0.5292, 0.4180



62.7818, 0.4123, 0.5066



13.5381, 0.3277, 0.3418



16.5883, 0.5258, 0.4207



1.1649, 0.5025, 0.4392

Inverse Universe

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



15.8175, 0.1786, 0.1567



19.5251, 0.1719, 0.1386



5.6368, 0.1552, 0.0671



12.9234, 0.2982, 0.3159



8.2673, 0.1731, 0.1431



0.6627, 0.1823, 0.1763

Previews

White Background



This preview shows how the Yxy color 29.8247, 0.5123, 0.4241 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 29.8247, 0.5123, 0.4241 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 29.8247, 0.5123, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 29.8247, 0.5123, 0.4241.



This preview shows how white text looks on a background with the Yxy color 29.8247, 0.5123, 0.4241.

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

29.8247, 0.5123, 0.4241

Protanopia

29.8943, 0.4347, 0.4799

Tritanopia

29.8613, 0.4282, 0.3186

Trichromacy



Original Color

29.8247, 0.5123, 0.4241

Protanomaly

29.4259, 0.4636, 0.4595

Tritanomaly

29.4394, 0.4716, 0.3672

Monochromacy



Original Color

29.8247, 0.5123, 0.4241

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7962, 0.3931, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8247, 0.5123, 0.4241 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(216, 127, 19)` looks like.

```
.text, #text, p{  
    color:rgb(216, 127, 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(216, 127, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 127, 19) }
```

Border

The CSS property to change the border of an element to Yxy 29.8247, 0.5123, 0.4241 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(216, 127, 19) }
```

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

```
.border{ border-color:rgb(216, 127, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 127, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 127, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 127, 19);  
box-shadow:4px 4px 4px 4px rgb(216, 127,  
19) }
```

Background

The CSS property to change the background color of an element to Yxy 29.8247, 0.5123, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 127, 19) }
```

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

```
.background{ background-color: rgb(216,  
127, 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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