

Converting Colors

$Y_{xy}(36.1970, 0.4866, 0.4281)$

Have a look what the booklet for
Yxy(36.1970, 0.4866, 0.4281)
contains.

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Color

Yxy(36.1206, 0.4863, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	DF912C
RGB	223, 145, 44
RGB Percent	87%, 57%, 17%
CMY	0.1255, 0.4313, 0.8271
CMYK	0.00, 0.35, 0.80, 0.13
HSL	34°, 74%, 52%
HSV	34°, 80%, 87%
XYZ	41.0120, 36.1206, 7.2022
YIQ	156.8080, 78.9090, -14.8750

Conversions

Conversions Part 2

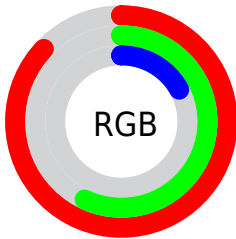
Format	Color
R _Y B	182, 223, 44
Decimal	14651692
CIE Lab	66.61, 21.74, 61.55
CIE LCh	67, 65.277, 70.545
Yxy	36.1206, 0.4863, 0.4283
Android (android.graphics.Color)	4292841772 (0xFFDF912C)
YUV	156.8080, -55.6143, 58.0504
Hunter-Lab	60.1004, 16.6312, 34.9652

Details

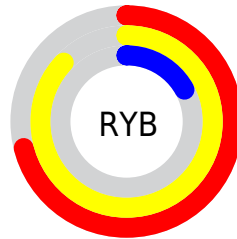
The Yxy color **36.1206, 0.4863, 0.4283** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **19.8047, 0.1877, 0.1743**, and the grayscale version is **33.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9887, 0.4339, 0.4279**, and **15.6868, 0.5162, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **33.1519, 0.5068, 0.4277**, and if you desaturate by 10%, it is **39.4373, 0.4630, 0.4236**.

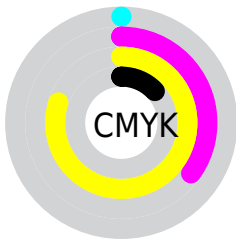
Distribution



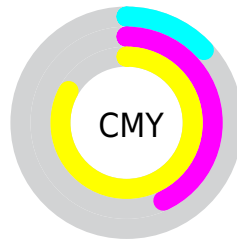
- Red (87%)
- Green (57%)
- Blue (17%)



- Red (71%)
- Yellow (87%)
- Blue (17%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (13%)





- Cyan (13%)
- Magenta (43%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1206, 0.4863, 0.4283 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 36.1206, 0.4863, 0.4283 by changing the saturation by 10% instead.

 36.1206, 0.4863,
0.4283

 36.1206, 0.4863,
0.4283


329.4874, 0.4017,
0.3877


 24.5274, 0.5042,
0.4337


 69.2182, 0.4574,
0.4167


 15.7253, 0.5247,
0.4375


 91.4913, 0.4459,
0.4114


 9.3300, 0.5528,
0.4420


 118.0931, 0.4360,
0.4064


 4.9570, 0.5707,
0.4293

 149.4081, 0.4273,
0.4019

 2.2221, 0.5940,
0.4060

 185.8206, 0.4197,
0.3978

 0.7320, 0.6376,
0.3624

 227.7151, 0.4130,

 0.0000, 1.0000,

0.3941

0.0000

275.4759, 0.4070,
0.3907

■ 0.0000, 0.0000,
0.0000

■ 36.1206, 0.4863,
0.4283

■ 36.1206, 0.4863,
0.4283

■ 33.1519, 0.5068,
0.4277

■ 39.4373, 0.4630,
0.4236

■ 30.5537, 0.5236,
0.4225

■ 43.1151, 0.4383,
0.4146

■ 47.1725, 0.4134,
0.4024

■ 51.6245, 0.3896,
0.3883

■ 56.4849, 0.3674,
0.3733

■ 61.7667, 0.3472,
0.3581

■ 67.4823, 0.3291,
0.3433

■ 73.6431, 0.3131,
0.3293

■ 80.2604, 0.2989,
0.3162

Harmonies

Analogous

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



36.1206, 0.5052, 0.3594



36.1206, 0.4863, 0.4283



36.1206, 0.4209, 0.4905

Triad

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



36.1206, 0.4863, 0.4283



36.1206, 0.1799, 0.3436



36.1206, 0.2664, 0.2000

Complementary

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



36.1206, 0.4863, 0.4283



19.8047, 0.1877, 0.1743

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.



36.1206, 0.1953, 0.1861



36.1206, 0.4863, 0.4283



36.1206, 0.1520, 0.2508

Square

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



36.1206, 0.4863, 0.4283



36.1206, 0.2445, 0.4545



36.1206, 0.1578, 0.2006



36.1206, 0.3650, 0.2380

Rectangle

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



36.1206, 0.4863, 0.4283



36.1206, 0.3634, 0.5127



36.1206, 0.1578, 0.2006



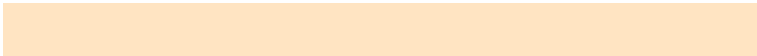
36.1206, 0.2390, 0.1925

Sweetspot

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



36.1225, 0.4863, 0.4283



80.8094, 0.3550, 0.3641



18.9662, 0.4664, 0.2527



16.7499, 0.3623, 0.3695



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.



36.1225, 0.4863, 0.4283



42.5509, 0.5180, 0.4244



67.2595, 0.4063, 0.5006



14.9770, 0.3278, 0.3422



18.1948, 0.5216, 0.4241



1.4384, 0.5016, 0.4400

Inverse Universe

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



19.8047, 0.1877, 0.1743



19.9892, 0.1731, 0.1411



7.8938, 0.1668, 0.0839



14.2214, 0.2981, 0.3154



8.3989, 0.1716, 0.1377



0.7579, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 36.1206, 0.4863, 0.4283 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 36.1206, 0.4863, 0.4283 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 36.1206, 0.4863, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 36.1206, 0.4863, 0.4283.



This preview shows how white text looks on a background with the Yxy color 36.1206, 0.4863, 0.4283.

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

36.1206, 0.4863, 0.4283

Protanopia

36.3612, 0.4251, 0.4692

Deuteranopia

36.1018, 0.4606, 0.4514



Tritanopia

36.0303, 0.4063, 0.3176

Trichromacy



Original Color

36.1206, 0.4863, 0.4283

Protanomaly

35.8525, 0.4483, 0.4537

Deuteranomaly

36.1422, 0.4702, 0.4433

Tritanomaly

35.8788, 0.4437, 0.3650

Monochromacy



Original Color

36.1206, 0.4863, 0.4283

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.8672, 0.3786, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1206, 0.4863, 0.4283 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(223, 145, 44)` looks like.

```
.text, #text, p{  
    color:rgb(223, 145, 44)  
}
```

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(223, 145, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 145, 44) }
```

Border

The CSS property to change the border of an element to Yxy 36.1206, 0.4863, 0.4283 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(223, 145, 44) }
```

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

```
.border{ border-color:rgb(223, 145, 44) }
```

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

Here you see how a box with a 4 pixel rgb(223, 145, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 145, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 145, 44);  
box-shadow:4px 4px 4px 4px rgb(223, 145,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1206, 0.4863, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 145, 44) }
```

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

```
.background{ background-color: rgb(223,  
145, 44) }
```

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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