

Converting Colors

$Y_{xy}(37.0904, 0.4889, 0.4500)$

Have a look what the booklet for
Yxy(37.0904, 0.4889, 0.4500)
contains.

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Color

Yxy(37.1933, 0.4881, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	DB9700
RGB	219, 151, 0
RGB Percent	86%, 59%, 0%
CMY	0.1412, 0.4078, 1.0000
CMYK	0.00, 0.31, 1.00, 0.14
HSL	41°, 100%, 43%
HSV	41°, 100%, 86%
XYZ	40.2797, 37.1933, 5.0504
YIQ	154.1180, 88.9990, -32.5450

Conversions

Conversions Part 2

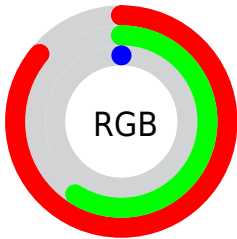
Format	Color
R _Y B	99, 219, 0
Decimal	14391040
CIE Lab	67.42, 15.99, 71.97
CIE LCh	67, 73.726, 77.475
Yxy	37.1933, 0.4881, 0.4507
Android (android.graphics.Color)	4292581120 (0xFFDB9700)
YUV	154.1180, -75.9802, 56.9015
Hunter-Lab	60.9863, 11.1680, 37.7805

Details

The Yxy color **37.1933, 0.4881, 0.4507** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.2482, 0.1612, 0.1004**, and the grayscale version is **32.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4306, 0.4417, 0.4492**, and **16.3834, 0.5013, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **37.1956, 0.4881, 0.4507**, and if you desaturate by 10%, it is **39.5054, 0.4763, 0.4528**.

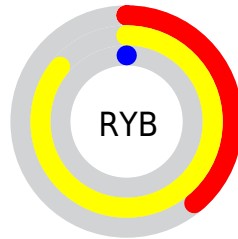
Distribution



Red (86%)

Green (59%)

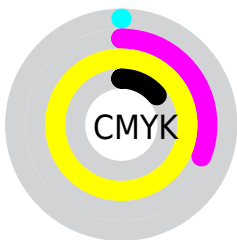
Blue (0%)



Red (39%)

Yellow (86%)

Blue (0%)

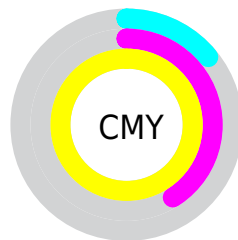


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1933, 0.4881, 0.4507 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 37.1933, 0.4881, 0.4507 by changing the saturation by 10% instead.

 37.1933, 0.4881,
0.4507


 37.1933, 0.4881,
0.4507


334.1466, 0.4068,
0.4017


 25.3572, 0.5033,
0.4567


 70.8700, 0.4619,
0.4372


 16.3434, 0.5197,
0.4610


 93.4793, 0.4509,
0.4307

 9.7675, 0.5376,
0.4624


 120.4486, 0.4412,
0.4247

 5.2450, 0.5486,
0.4514

 152.1621, 0.4327,
0.4192

 2.3917, 0.5659,
0.4341

 189.0042, 0.4251,
0.4142


 0.8216, 0.5968,
0.4032

 231.3595, 0.4183,


 0.0000, 1.0000,


0.4097


0.0000

 279.6121, 0.4123,
0.4055


 0.0000, 0.0000,
0.0000

 37.1933, 0.4881,
0.4507


 37.1933, 0.4881,
0.4507


 37.1956, 0.4881,
0.4507

 39.5054, 0.4763,
0.4528

 42.0088, 0.4616,
0.4504

 44.7292, 0.4441,
0.4431

 47.6805, 0.4247,
0.4316

 50.8748, 0.4043,
0.4168

■ 54.3229, 0.3839,
0.4000

■ 58.0345, 0.3642,
0.3820

■ 62.0188, 0.3456,
0.3639

■ 66.2842, 0.3284,
0.3461

Harmonies

Analogous

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



37.1933, 0.5264, 0.3752



37.1933, 0.4881, 0.4507



37.1933, 0.4068, 0.5179

Triad

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



37.1933, 0.4881, 0.4507



37.1933, 0.1562, 0.3157



37.1933, 0.2838, 0.1958

Complementary

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



37.1933, 0.4881, 0.4507



9.2482, 0.1612, 0.1004

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.



37.1933, 0.1984, 0.1745



37.1933, 0.4881, 0.4507



37.1933, 0.1364, 0.2245

Square

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



37.1933, 0.4881, 0.4507



37.1933, 0.2161, 0.4443



37.1933, 0.1506, 0.1816



37.1933, 0.3972, 0.2417

Rectangle

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



37.1933, 0.4881, 0.4507



37.1933, 0.3418, 0.5363



37.1933, 0.1506, 0.1816



37.1933, 0.2512, 0.1857

Sweetspot

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



37.1956, 0.4881, 0.4507



81.7855, 0.3647, 0.3825



15.4943, 0.5730, 0.2930



17.0196, 0.3730, 0.3902



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.



37.1956, 0.4881, 0.4507



52.2434, 0.4888, 0.4501



60.2298, 0.3869, 0.5310



14.5462, 0.3274, 0.3451



22.2580, 0.4868, 0.4517



1.5927, 0.4731, 0.4625

Inverse Universe

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



9.2482, 0.1612, 0.1004



12.8368, 0.1608, 0.0990



5.5687, 0.1578, 0.0643



13.2734, 0.2981, 0.3124



5.6558, 0.1620, 0.1030



0.5173, 0.1711, 0.1358

Previews

White Background



This preview shows how the Yxy color 37.1933, 0.4881, 0.4507 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 37.1933, 0.4881, 0.4507 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 37.1933, 0.4881, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 37.1933, 0.4881, 0.4507.



This preview shows how white text looks on a background with the Yxy color 37.1933, 0.4881, 0.4507.

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

37.1933, 0.4881, 0.4507

Protanopia

37.3811, 0.4387, 0.4854

Deuteranopia

37.1868, 0.4722, 0.4633



Tritanopia

37.1593, 0.3943, 0.3163

Trichromacy



Original Color

37.1933, 0.4881, 0.4507

Protanomaly

37.1671, 0.4568, 0.4728

Deuteranomaly

37.1083, 0.4782, 0.4585

Tritanomaly

36.4790, 0.4482, 0.3845

Monochromacy



Original Color

37.1933, 0.4881, 0.4507

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1293, 0.3928, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1933, 0.4881, 0.4507 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, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 151, 0)  
}
```

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, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.1933, 0.4881, 0.4507 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, 151, 0) }
```

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

```
.border{ border-color:rgb(219, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 151,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1933, 0.4881, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 151, 0) }
```

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

```
.background{ background-color: rgb(219,  
151, 0) }
```

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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