

Converting Colors

$Y_{xy}(36.7956, 0.4521, 0.4131)$

Have a look what the booklet for
Yxy(36.7956, 0.4521, 0.4131)
contains.

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Color

Yxy(36.7956, 0.4521, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	D7964D
RGB	215, 150, 77
RGB Percent	84%, 59%, 30%
CMY	0.1569, 0.4117, 0.6979
CMYK	0.00, 0.30, 0.64, 0.16
HSL	32°, 63%, 57%
HSV	32°, 64%, 84%
XYZ	40.2694, 36.7956, 12.0069
YIQ	161.1130, 62.1730, -8.9230

Conversions

Conversions Part 2

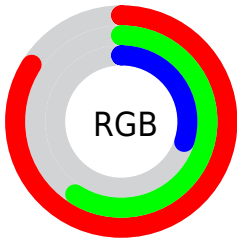
Format	Color
RYB	200, 215, 77
Decimal	14128717
CIELab	67.12, 17.24, 47.41
CIELCh	67, 50.447, 70.013
Yxy	36.7956, 0.4521, 0.4131
Android (android.graphics.Color)	4292318797 (0xFFD7964D)
YUV	161.1130, -41.4677, 47.2589
Hunter-Lab	60.6594, 12.3453, 30.7257

Details

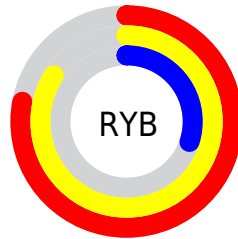
The Yxy color **36.7956, 0.4521, 0.4131** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **25.8361, 0.2105, 0.2175**, and the grayscale version is **35.8731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0042, 0.4109, 0.4065**, and **16.0707, 0.4884, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **33.4483, 0.4781, 0.4199**, and if you desaturate by 10%, it is **40.5263, 0.4258, 0.4027**.

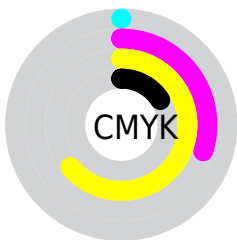
Distribution



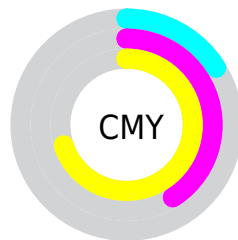
- Red (84%)
- Green (59%)
- Blue (30%)



- Red (78%)
- Yellow (84%)
- Blue (30%)



- Cyan (0%)
- Magenta (30%)
- Yellow (64%)
- Black (16%)





- Cyan (16%)
- Magenta (41%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7956, 0.4521, 0.4131 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 36.7956, 0.4521, 0.4131 by changing the saturation by 10% instead.


 36.7956, 0.4521,
0.4131


 36.7956, 0.4521,
0.4131


332.4247, 0.3818,
0.3751

 25.0493, 0.4686,
0.4202


 70.2583, 0.4270,
0.4008


 16.1138, 0.4887,
0.4276


 92.7435, 0.4174,
0.3957

 9.6047, 0.5129,
0.4340


 119.5770, 0.4093,
0.3912

 5.1377, 0.5536,
0.4464

 151.1434, 0.4022,
0.3872

 2.3283, 0.5723,
0.4277

 187.8270, 0.3961,
0.3837

 0.7886, 0.6064,
0.3936

230.0121, 0.3907,

 0.0000, 1.0000,

0.3805

0.0000

278.0832, 0.3860,
0.3777

■ 0.0000, 0.0000,
0.0000

■ 36.7956, 0.4521,
0.4131

■ 36.7956, 0.4521,
0.4131

■ 33.4483, 0.4781,
0.4199

■ 40.5263, 0.4258,
0.4027

■ 30.4615, 0.5022,
0.4219

■ 44.6505, 0.4004,
0.3901

■ 27.8172, 0.5229,
0.4184

■ 49.1845, 0.3768,
0.3762

■ 26.4179, 0.5336,
0.4145

■ 54.1420, 0.3553,
0.3619

■ 59.5357, 0.3361,
0.3478

■ 65.3776, 0.3192,
0.3344

■ 71.6794, 0.3043,
0.3217

■ 78.4520, 0.2913,
0.3100

■ 84.6655, 0.2883,
0.3146

Harmonies

Analogous

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



36.7956, 0.4621, 0.3576



36.7956, 0.4521, 0.4131



36.7956, 0.4036, 0.4574

Triad

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



36.7956, 0.4521, 0.4131



36.7956, 0.2088, 0.3438



36.7956, 0.2763, 0.2242

Complementary

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



36.7956, 0.4521, 0.4131



25.8361, 0.2105, 0.2175

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.



36.7956, 0.2183, 0.2136



36.7956, 0.4521, 0.4131



36.7956, 0.1833, 0.2715

Square

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



36.7956, 0.4521, 0.4131



36.7956, 0.2629, 0.4234



36.7956, 0.1869, 0.2280



36.7956, 0.3528, 0.2557

Rectangle

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



36.7956, 0.4521, 0.4131



36.7956, 0.3586, 0.4696



36.7956, 0.1869, 0.2280



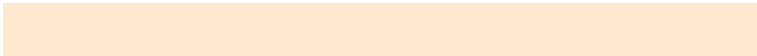
36.7956, 0.2543, 0.2181

Sweetspot

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



36.7974, 0.4521, 0.4131



83.5566, 0.3455, 0.3548



21.7631, 0.4148, 0.2529



17.3998, 0.3511, 0.3589



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.



36.7974, 0.4521, 0.4131



47.5935, 0.4870, 0.4212



63.2330, 0.3994, 0.4766



13.4973, 0.3278, 0.3413



16.0166, 0.5314, 0.4162



1.1312, 0.5069, 0.4357

Inverse Universe

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



25.8361, 0.2105, 0.2175



30.3169, 0.1932, 0.1894



11.8949, 0.1899, 0.1243



12.9637, 0.2982, 0.3163



8.7419, 0.1748, 0.1492



0.6922, 0.1838, 0.1818

Previews

White Background



This preview shows how the Yxy color 36.7956, 0.4521, 0.4131 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 36.7956, 0.4521, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

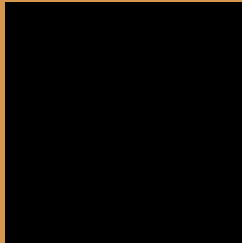
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7956, 0.4521, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 36.7956, 0.4521, 0.4131.



This preview shows how white text looks on a background with the Yxy color 36.7956, 0.4521, 0.4131.

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

36.7956, 0.4521, 0.4131

Protanopia

36.9688, 0.4029, 0.4405

Deuteranopia

36.8553, 0.4347, 0.4267



Tritanopia

36.8286, 0.3862, 0.3171

Trichromacy



Original Color

36.7956, 0.4521, 0.4131

Protanomaly

36.7129, 0.4200, 0.4302

Deuteranomaly

36.8984, 0.4415, 0.4221

Tritanomaly

36.6369, 0.4126, 0.3536

Monochromacy



Original Color

36.7956, 0.4521, 0.4131

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.5494, 0.3630, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7956, 0.4521, 0.4131 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(215, 150, 77)` looks like.

```
.text, #text, p{  
    color:rgb(215, 150, 77)  
}
```

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(215, 150, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 150, 77) }
```

Border

The CSS property to change the border of an element to Yxy 36.7956, 0.4521, 0.4131 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(215, 150, 77) }
```

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

```
.border{ border-color:rgb(215, 150, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 150, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 150, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 150, 77);  
box-shadow:4px 4px 4px 4px rgb(215, 150,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7956, 0.4521, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 150, 77) }
```

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

```
.background{ background-color: rgb(215,  
150, 77) }
```

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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