

Converting Colors

$Yxy(37.4767, 0.4748, 0.4245)$

Have a look what the booklet for
Yxy(37.4767, 0.4748, 0.4245)
contains.

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Color

Yxy(37.4783, 0.4748, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	DF9539
RGB	223, 149, 57
RGB Percent	87%, 58%, 22%
CMY	0.1254, 0.4157, 0.7766
CMYK	0.00, 0.33, 0.74, 0.13
HSL	33°, 72%, 55%
HSV	33°, 74%, 87%
XYZ	41.9192, 37.4783, 8.8906
YIQ	160.6380, 73.6360, -12.9240

Conversions

Conversions Part 2

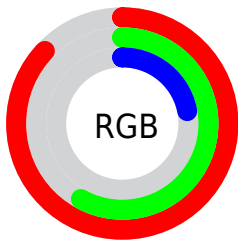
Format	Color
RYB	191, 223, 57
Decimal	14652729
CIELab	67.63, 20.10, 57.43
CIELCh	68, 60.846, 70.710
Yxy	37.4783, 0.4748, 0.4245
Android (android.graphics.Color)	4292842809 (0xFFDF9539)
YUV	160.6380, -51.0935, 54.6915
Hunter-Lab	61.2195, 15.0912, 34.2433

Details

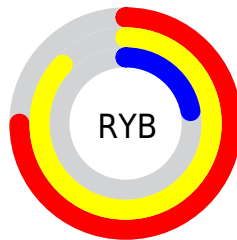
The Yxy color **37.4783, 0.4748, 0.4245** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.4226, 0.1951, 0.1893**, and the grayscale version is **35.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0760, 0.4243, 0.4225**, and **16.5219, 0.5103, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **34.2922, 0.4975, 0.4268**, and if you desaturate by 10%, it is **41.0343, 0.4500, 0.4174**.

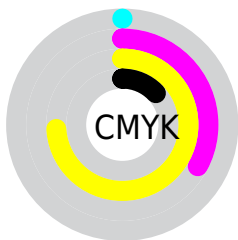
Distribution



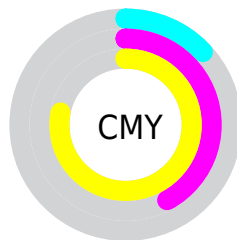
- Red (87%)
- Green (58%)
- Blue (22%)



- Red (75%)
- Yellow (87%)
- Blue (22%)



- Cyan (0%)
- Magenta (33%)
- Yellow (74%)
- Black (13%)





- Cyan (13%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4783, 0.4748, 0.4245 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 37.4783, 0.4748, 0.4245 by changing the saturation by 10% instead.


 37.4783, 0.4748,
0.4245


 37.4783, 0.4748,
0.4245


335.3767, 0.3952,
0.3840


 25.5780, 0.4922,
0.4307


 71.3078, 0.4473,
0.4124


 16.5082, 0.5125,
0.4361


 94.0058, 0.4365,
0.4070

 9.8845, 0.5369,
0.4399


 121.0719, 0.4271,
0.4021

 5.3224, 0.5631,
0.4369

 152.8904, 0.4190,
0.3977

 2.4377, 0.5839,
0.4161

 189.8457, 0.4119,
0.3938

 0.8452, 0.6201,
0.3799

 232.3223, 0.4057,

 0.0000, 1.0000,

0.3902

0.0000

280.7045, 0.4002,
0.3870

0.0000, 0.0000,
0.0000

37.4783, 0.4748,
0.4245

37.4783, 0.4748,
0.4245

34.2922, 0.4975,
0.4268

41.0343, 0.4500,
0.4174

31.4498, 0.5169,
0.4237

44.9723, 0.4247,
0.4066

30.0078, 0.5264,
0.4202

49.3102, 0.4000,
0.3934

54.0628, 0.3769,
0.3788

59.2438, 0.3556,
0.3639

■ 64.8662, 0.3366,
0.3492

■ 70.9421, 0.3196,
0.3350

■ 77.4832, 0.3047,
0.3217

■ 84.3273, 0.2931,
0.3121

Harmonies

Analogous

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



37.4783, 0.4909, 0.3599



37.4783, 0.4748, 0.4245



37.4783, 0.4148, 0.4803

Triad

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



37.4783, 0.4748, 0.4245



37.4783, 0.1891, 0.3428



37.4783, 0.2707, 0.2082

Complementary

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



37.4783, 0.4748, 0.4245



22.4226, 0.1951, 0.1893

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.



37.4783, 0.2035, 0.1951



37.4783, 0.4748, 0.4245



37.4783, 0.1621, 0.2572

Square

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



37.4783, 0.4748, 0.4245



37.4783, 0.2500, 0.4427



37.4783, 0.1675, 0.2093



37.4783, 0.3620, 0.2444

Rectangle

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



37.4783, 0.4748, 0.4245



37.4783, 0.3614, 0.4983



37.4783, 0.1675, 0.2093



37.4783, 0.2449, 0.2011

Sweetspot

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



37.4802, 0.4748, 0.4245



81.9700, 0.3511, 0.3605



20.2698, 0.4503, 0.2532



17.1139, 0.3565, 0.3646



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.



37.4802, 0.4748, 0.4245



44.4043, 0.5081, 0.4259



67.4789, 0.4033, 0.4942



14.9540, 0.3278, 0.3420



17.8714, 0.5244, 0.4218



1.4166, 0.5038, 0.4382

Inverse Universe

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



22.4226, 0.1951, 0.1893



23.2220, 0.1792, 0.1576



9.3841, 0.1749, 0.0966



14.2440, 0.2981, 0.3157



8.6417, 0.1725, 0.1408



0.7756, 0.1807, 0.1705

Previews

White Background



This preview shows how the Yxy color 37.4783, 0.4748, 0.4245 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 37.4783, 0.4748, 0.4245 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 37.4783, 0.4748, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 37.4783, 0.4748, 0.4245.



This preview shows how white text looks on a background with the Yxy color 37.4783, 0.4748, 0.4245.

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

37.4783, 0.4748, 0.4245

Protanopia

37.4375, 0.4188, 0.4602

Deuteranopia

37.6457, 0.4533, 0.4438



Tritanopia

37.6162, 0.3985, 0.3176

Trichromacy



Original Color

37.4783, 0.4748, 0.4245

Protanomaly

37.1283, 0.4390, 0.4465

Deuteranomaly

37.5332, 0.4615, 0.4365

Tritanomaly

37.2368, 0.4325, 0.3607

Monochromacy



Original Color

37.4783, 0.4748, 0.4245

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.7343, 0.3730, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4783, 0.4748, 0.4245 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, 149, 57)` looks like.

```
.text, #text, p{  
    color:rgb(223, 149, 57)  
}
```

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, 149, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 149, 57) }
```

Border

The CSS property to change the border of an element to Yxy 37.4783, 0.4748, 0.4245 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, 149, 57) }
```

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

```
.border{ border-color:rgb(223, 149, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 149, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 149, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 149, 57);  
box-shadow:4px 4px 4px 4px rgb(223, 149,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4783, 0.4748, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 149, 57) }
```

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

```
.background{ background-color: rgb(223,  
149, 57) }
```

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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