

Converting Colors

$Y_{xy}(37.2481, 0.4715, 0.4151)$

Have a look what the booklet for
Yxy(37.2481, 0.4715, 0.4151)
contains.

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Color

Yxy(37.1081, 0.4718, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	E09342
RGB	224, 147, 66
RGB Percent	88%, 58%, 26%
CMY	0.1216, 0.4235, 0.7413
CMYK	0.00, 0.34, 0.71, 0.12
HSL	31°, 72%, 57%
HSV	31°, 71%, 88%
XYZ	42.1565, 37.1081, 10.0879
YIQ	160.7890, 71.8930, -8.8670

Conversions

Conversions Part 2

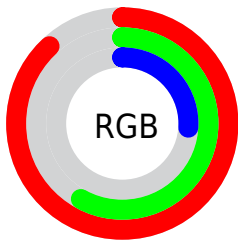
Format	Color
R _{YB}	216, 224, 66
Decimal	14717762
CIE _{Lab}	67.36, 22.01, 53.22
CIE _{LCh}	67, 57.593, 67.534
Y _{xy}	37.1081, 0.4718, 0.4153
Android (android.graphics.Color)	4292907842 (0xFFE09342)
YUV	160.7890, -46.7310, 55.4360
Hunter-Lab	60.9164, 16.9252, 32.8229

Details

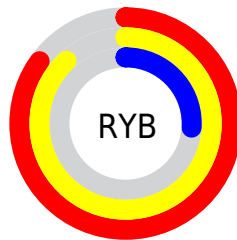
The Yxy color **37.1081, 0.4718, 0.4153** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.1679, 0.2026, 0.2078**, and the grayscale version is **35.7329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3413, 0.4196, 0.4128**, and **16.2802, 0.5114, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **33.6611, 0.4976, 0.4187**, and if you desaturate by 10%, it is **40.9843, 0.4447, 0.4075**.

Distribution



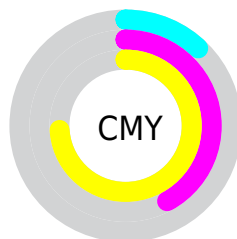
- Red (88%)
- Green (58%)
- Blue (26%)



- Red (85%)
- Yellow (88%)
- Blue (26%)



- Cyan (0%)
- Magenta (34%)
- Yellow (71%)
- Black (12%)





- Cyan (12%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1081, 0.4718, 0.4153 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 37.1081, 0.4718, 0.4153 by changing the saturation by 10% instead.


 37.1081, 0.4718,
0.4153


 37.1081, 0.4718,
0.4153


333.7783, 0.3926,
0.3786


 25.2912, 0.4898,
0.4211


 70.7390, 0.4440,
0.4042

 16.2941, 0.5112,
0.4262


 93.3218, 0.4332,
0.3993

 9.7325, 0.5364,
0.4291


 120.2620, 0.4239,
0.3949

 5.2220, 0.5703,
0.4297

 151.9441, 0.4159,
0.3909

 2.3781, 0.5930,
0.4070

 188.7523, 0.4089,
0.3873

 0.8146, 0.6329,
0.3671

231.0712, 0.4028,

 0.0000, 1.0000,

0.3841

0.0000

279.2850, 0.3974,
0.3812

■ 0.0000, 0.0000,
0.0000

■ 37.1081, 0.4718,
0.4153

■ 37.1081, 0.4718,
0.4153

■ 33.6611, 0.4976,
0.4187

■ 40.9843, 0.4447,
0.4075

■ 30.6157, 0.5205,
0.4168

■ 45.3032, 0.4180,
0.3965

■ 28.0806, 0.5387,
0.4104


■ 50.0846, 0.3926,
0.3836

■ 55.3447, 0.3693,
0.3699

■ 61.0991, 0.3484,
0.3560

 67.3622, 0.3298,
0.3425

 74.1479, 0.3136,
0.3297

 81.4695, 0.2993,
0.3177

 88.5043, 0.2938,
0.3190

Harmonies

Analogous

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



37.1081, 0.4807, 0.3532



37.1081, 0.4718, 0.4153



37.1081, 0.4186, 0.4694

Triad

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



37.1081, 0.4718, 0.4153



37.1081, 0.1995, 0.3527



37.1081, 0.2647, 0.2106

Complementary

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



37.1081, 0.4718, 0.4153



26.1679, 0.2026, 0.2078

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.



37.1081, 0.2031, 0.2007



37.1081, 0.4718, 0.4153



37.1081, 0.1695, 0.2682

Square

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



37.1081, 0.4718, 0.4153



37.1081, 0.2613, 0.4447



37.1081, 0.1714, 0.2180



37.1081, 0.3502, 0.2434

Rectangle

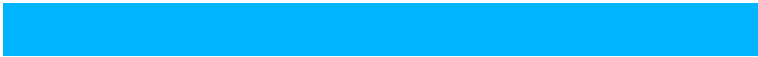
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.1081, 0.4718, 0.4153



37.1081, 0.3687, 0.4887



37.1081, 0.1714, 0.2180



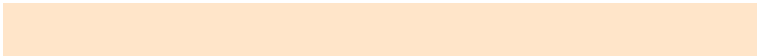
37.1081, 0.2409, 0.2046

Sweetspot

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



37.1100, 0.4718, 0.4153



81.4886, 0.3496, 0.3568



21.7823, 0.4267, 0.2459



16.9703, 0.3552, 0.3607



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.



37.1100, 0.4718, 0.4153



43.0261, 0.5096, 0.4184



69.5511, 0.4070, 0.4849



14.8571, 0.3279, 0.3410



16.5763, 0.5364, 0.4123



1.3281, 0.5136, 0.4304

Inverse Universe

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



26.1679, 0.2026, 0.2078



27.5352, 0.1862, 0.1779



10.4299, 0.1770, 0.1046



14.3401, 0.2981, 0.3167



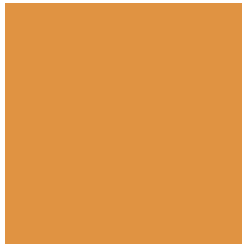
9.7428, 0.1762, 0.1541



0.8541, 0.1840, 0.1825

Previews

White Background



This preview shows how the Yxy color 37.1081, 0.4718, 0.4153 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 37.1081, 0.4718, 0.4153 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 37.1081, 0.4718, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 37.1081, 0.4718, 0.4153.



This preview shows how white text looks on a background with the Yxy color 37.1081, 0.4718, 0.4153.

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

37.1081, 0.4718, 0.4153

Protanopia

37.4325, 0.4114, 0.4513

Deuteranopia

37.1150, 0.4469, 0.4369



Tritanopia

36.9731, 0.4016, 0.3176

Trichromacy



Original Color

37.1081, 0.4718, 0.4153

Protanomaly

36.8892, 0.4340, 0.4376

Deuteranomaly

37.1497, 0.4560, 0.4292

Tritanomaly

36.6887, 0.4316, 0.3561

Monochromacy



Original Color

37.1081, 0.4718, 0.4153

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.4736, 0.3705, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1081, 0.4718, 0.4153 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(224, 147, 66)` looks like.

```
.text, #text, p{  
    color:rgb(224, 147, 66)  
}
```

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(224, 147, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 147, 66) }
```

Border

The CSS property to change the border of an element to Yxy 37.1081, 0.4718, 0.4153 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(224, 147, 66) }
```

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

```
.border{ border-color:rgb(224, 147, 66) }
```

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

Here you see how a box with a 4 pixel rgb(224, 147, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 147, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 147, 66);  
box-shadow:4px 4px 4px 4px rgb(224, 147,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1081, 0.4718, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 147, 66) }
```

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

```
.background{ background-color: rgb(224,  
147, 66) }
```

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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