

Converting Colors

$Yxy(37.7115, 0.4935, 0.4182)$

Have a look what the booklet for
Yxy(37.7115, 0.4935, 0.4182)
contains.

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Color

Yxy(37.6692, 0.4937, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	EA9032
RGB	234, 144, 50
RGB Percent	92%, 56%, 20%
CMY	0.0824, 0.4353, 0.8038
CMYK	0.00, 0.38, 0.79, 0.08
HSL	31°, 81%, 56%
HSV	31°, 79%, 92%
XYZ	44.4805, 37.6692, 7.9465
YIQ	160.1940, 83.8140, -10.1540

Conversions

Conversions Part 2

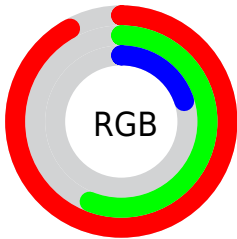
Format	Color
R _{YB}	226, 234, 50
Decimal	15372338
CIE Lab	67.78, 27.09, 60.86
CIE LCh	68, 66.618, 66.007
Yxy	37.6692, 0.4937, 0.4181
Android (android.graphics.Color)	4293562418 (0xFFEA9032)
YUV	160.1940, -54.3256, 64.7279
Hunter-Lab	61.3752, 21.9576, 35.2862

Details

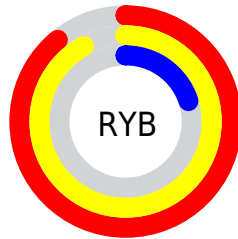
The Yxy color **37.6692, 0.4937, 0.4181** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.3792, 0.1931, 0.1918**, and the grayscale version is **35.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6274, 0.4315, 0.4230**, and **16.5994, 0.5281, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **34.2245, 0.5173, 0.4171**, and if you desaturate by 10%, it is **41.5724, 0.4674, 0.4139**.

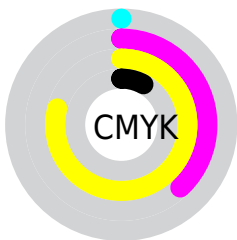
Distribution



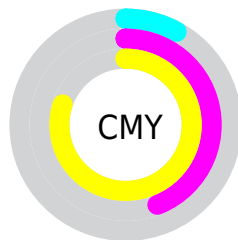
- Red (92%)
- Green (56%)
- Blue (20%)



- Red (89%)
- Yellow (92%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (79%)
- Black (8%)



- Cyan (8%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6692, 0.4937, 0.4181 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 37.6692, 0.4937, 0.4181 by changing the saturation by 10% instead.


 37.6692, 0.4937,
0.4181


 37.6692, 0.4937,
0.4181


336.1988, 0.4054,
0.3834


 25.7260, 0.5127,
0.4221


 71.6008, 0.4634,
0.4087

 16.6188, 0.5346,
0.4243


 94.3581, 0.4514,
0.4042

 9.9631, 0.5625,
0.4248


 121.4888, 0.4410,
0.3999

 5.3745, 0.5870,
0.4130

 153.3775, 0.4320,
0.3960

 2.4686, 0.6133,
0.3867

 190.4084, 0.4241,
0.3924

 0.8609, 0.6577,
0.3423

 232.9660, 0.4171,

 0.0000, 1.0000,

0.3891

0.0000

281.4347, 0.4109,
0.3861

■ 0.0000, 0.0000,
0.0000

■ 37.6692, 0.4937,
0.4181

■ 37.6692, 0.4937,
0.4181

■ 34.2245, 0.5173,
0.4171

■ 41.5724, 0.4674,
0.4139

■ 31.2018, 0.5371,
0.4107


■ 45.9522, 0.4401,
0.4054

■ 30.8141, 0.5397,
0.4097

■ 50.8317, 0.4134,
0.3941


■ 56.2304, 0.3882,
0.3810

■ 62.1665, 0.3653,
0.3671

 68.6571, 0.3447,
0.3533

 75.7182, 0.3266,
0.3399

 83.3654, 0.3106,
0.3273

 91.2458, 0.2999,
0.3210

Harmonies

Analogous

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



37.6692, 0.5037, 0.3491



37.6692, 0.4937, 0.4181



37.6692, 0.4332, 0.4833

Triad

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



37.6692, 0.4937, 0.4181



37.6692, 0.1867, 0.3608



37.6692, 0.2532, 0.1956

Complementary

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



37.6692, 0.4937, 0.4181



25.3792, 0.1931, 0.1918

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.



37.6692, 0.1869, 0.1857



37.6692, 0.4937, 0.4181



37.6692, 0.1531, 0.2617

Square

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



37.6692, 0.4937, 0.4181



37.6692, 0.2565, 0.4694



37.6692, 0.1542, 0.2050



37.6692, 0.3494, 0.2304

Rectangle

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



37.6692, 0.4937, 0.4181



37.6692, 0.3772, 0.5111



37.6692, 0.1542, 0.2050



37.6692, 0.2272, 0.1893

Sweetspot

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



37.6712, 0.4937, 0.4181



79.0312, 0.3557, 0.3609



21.7285, 0.4471, 0.2431



16.3235, 0.3633, 0.3658



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.



37.6712, 0.4937, 0.4181



39.4011, 0.5292, 0.4139



76.5664, 0.4126, 0.4942



16.3264, 0.3280, 0.3411



17.5693, 0.5373, 0.4116



1.5722, 0.5166, 0.4280

Inverse Universe

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



25.3792, 0.1931, 0.1918



23.9757, 0.1791, 0.1616



8.9023, 0.1651, 0.0849



15.7655, 0.2981, 0.3167



10.4100, 0.1762, 0.1544



1.0095, 0.1833, 0.1798

Previews

White Background



This preview shows how the Yxy color 37.6692, 0.4937, 0.4181 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 37.6692, 0.4937, 0.4181 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 37.6692, 0.4937, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 37.6692, 0.4937, 0.4181.



This preview shows how white text looks on a background with the Yxy color 37.6692, 0.4937, 0.4181.

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

37.6692, 0.4937, 0.4181

Protanopia

37.8722, 0.4217, 0.4649

Deuteranopia

37.7133, 0.4589, 0.4490



Tritanopia

37.7230, 0.4164, 0.3182

Trichromacy



Original Color

37.6692, 0.4937, 0.4181

Protanomaly

37.4166, 0.4484, 0.4472

Deuteranomaly

37.4134, 0.4717, 0.4373

Tritanomaly

37.3073, 0.4519, 0.3600

Monochromacy



Original Color

37.6692, 0.4937, 0.4181

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0321, 0.3805, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6692, 0.4937, 0.4181 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(234, 144, 50)` looks like.

```
.text, #text, p{  
    color:rgb(234, 144, 50)  
}
```

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(234, 144, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 144, 50) }
```

Border

The CSS property to change the border of an element to Yxy 37.6692, 0.4937, 0.4181 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(234, 144, 50) }
```

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

```
.border{ border-color:rgb(234, 144, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 144, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 144, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 144, 50);  
box-shadow:4px 4px 4px 4px rgb(234, 144,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6692, 0.4937, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 144, 50) }
```

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

```
.background{ background-color: rgb(234,  
144, 50) }
```

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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