

Converting Colors

$Y_{xy}(36.2757, 0.4737, 0.4073)$

Have a look what the booklet for
Yxy(36.2757, 0.4737, 0.4073)
contains.

Yxy(36.0947, 0.4737, 0.4073)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.0947, 0.4737, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	E18F46
RGB	225, 143, 70
RGB Percent	88%, 56%, 27%
CMY	0.1176, 0.4392, 0.7256
CMYK	0.00, 0.36, 0.69, 0.12
HSL	28°, 72%, 58%
HSV	28°, 69%, 88%
XYZ	41.9790, 36.0947, 10.5457
YIQ	159.1960, 72.3050, -5.3190

Conversions

Conversions Part 2

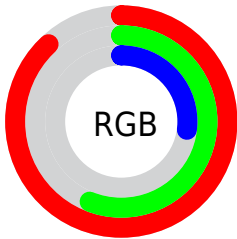
Format	Color
RYB	225, 208, 70
Decimal	14782278
CIELab	66.59, 24.77, 50.55
CIELCh	67, 56.297, 63.892
Yxy	36.0947, 0.4737, 0.4073
Android (android.graphics.Color)	4292972358 (0xFFE18F46)
YUV	159.1960, -43.9736, 57.7101
Hunter-Lab	60.0789, 19.5857, 31.6480

Details

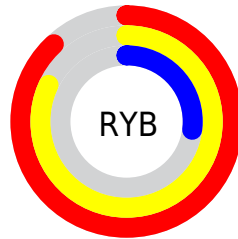
The Yxy color **36.0947, 0.4737, 0.4073** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.1867, 0.2072, 0.2212**, and the grayscale version is **34.9463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5730, 0.4199, 0.4063**, and **15.6973, 0.5156, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **32.4778, 0.5020, 0.4106**, and if you desaturate by 10%, it is **40.2008, 0.4447, 0.3998**.

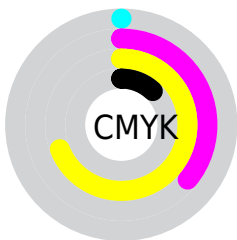
Distribution



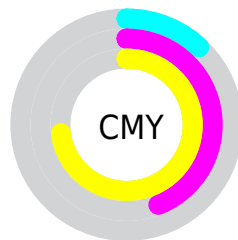
- Red (88%)
- Green (56%)
- Blue (27%)



- Red (88%)
- Yellow (82%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (69%)
- Black (12%)



- Cyan (12%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0947, 0.4737, 0.4073 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 36.0947, 0.4737, 0.4073 by changing the saturation by 10% instead.


 36.0947, 0.4737,
0.4073


 36.0947, 0.4737,
0.4073


329.3743, 0.3925,
0.3743


 24.5073, 0.4926,
0.4123


 69.1782, 0.4449,
0.3975


 15.7104, 0.5153,
0.4166


 91.4431, 0.4338,
0.3931

 9.3195, 0.5425,
0.4182


 118.0361, 0.4243,
0.3891

 4.9501, 0.5815,
0.4185

 149.3414, 0.4162,
0.3855

 2.2180, 0.6074,
0.3926

 185.7435, 0.4091,
0.3823

 0.7298, 0.6551,
0.3449

227.6267, 0.4029,

 0.0000, 1.0000,

0.3794

0.0000

275.3755, 0.3974,
0.3767

0.0000, 0.0000,
0.0000

36.0947, 0.4737,
0.4073

36.0947, 0.4737,
0.4073

32.4778, 0.5020,
0.4106

40.2008, 0.4447,
0.3998

29.3202, 0.5275,
0.4086

44.8125, 0.4165,
0.3894

26.5919, 0.5489,
0.4015

49.9516, 0.3903,
0.3773

26.3136, 0.5511,
0.4006

55.6372, 0.3665,
0.3645

61.8867, 0.3455,
0.3518

■ 68.7169, 0.3271,
0.3394

■ 76.1439, 0.3111,
0.3278

■ 84.1829, 0.2972,
0.3169

■ 91.6708, 0.2945,
0.3240

Harmonies

Analogous

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



36.0947, 0.4758, 0.3458



36.0947, 0.4737, 0.4073



36.0947, 0.4256, 0.4625

Triad

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



36.0947, 0.4737, 0.4073



36.0947, 0.2067, 0.3641



36.0947, 0.2564, 0.2094

Complementary

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



36.0947, 0.4737, 0.4073



29.1867, 0.2072, 0.2212

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.



36.0947, 0.1989, 0.2027



36.0947, 0.4737, 0.4073



36.0947, 0.1730, 0.2776

Square

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



36.0947, 0.4737, 0.4073



36.0947, 0.2712, 0.4517



36.0947, 0.1711, 0.2235



36.0947, 0.3389, 0.2394

Rectangle

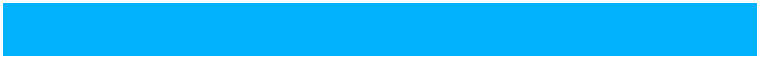
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0947, 0.4737, 0.4073



36.0947, 0.3778, 0.4848



36.0947, 0.1711, 0.2235



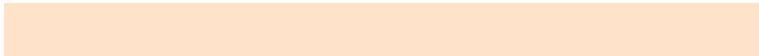
36.0947, 0.2340, 0.2044

Sweetspot

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



36.0965, 0.4737, 0.4073



80.2592, 0.3500, 0.3546



22.6745, 0.4147, 0.2413



16.6787, 0.3558, 0.3582



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.



36.0965, 0.4737, 0.4073



41.0974, 0.5144, 0.4104



67.5483, 0.4091, 0.4789



14.7599, 0.3280, 0.3401



15.3931, 0.5486, 0.4026



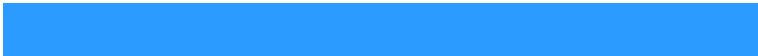
1.2452, 0.5236, 0.4225

Inverse Universe

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



29.1867, 0.2072, 0.2212



31.2834, 0.1913, 0.1941



11.7904, 0.1811, 0.1145



14.4375, 0.2981, 0.3177



10.9729, 0.1800, 0.1681



0.9395, 0.1875, 0.1948

Previews

White Background



This preview shows how the Yxy color 36.0947, 0.4737, 0.4073 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 36.0947, 0.4737, 0.4073 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 36.0947, 0.4737, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 36.0947, 0.4737, 0.4073.



This preview shows how white text looks on a background with the Yxy color 36.0947, 0.4737, 0.4073.

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

36.0947, 0.4737, 0.4073

Protanopia

36.4195, 0.4064, 0.4454

Deuteranopia

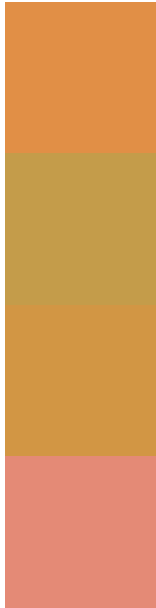
36.0730, 0.4432, 0.4329



Tritanopia

36.1953, 0.4073, 0.3177

Trichromacy



Original Color

36.0947, 0.4737, 0.4073

Protanomaly

36.0071, 0.4302, 0.4316

Deuteranomaly

35.9317, 0.4542, 0.4236

Tritanomaly

35.9789, 0.4345, 0.3525

Monochromacy



Original Color

36.0947, 0.4737, 0.4073

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.3821, 0.3696, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0947, 0.4737, 0.4073 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(225, 143, 70)` looks like.

```
.text, #text, p{  
    color:rgb(225, 143, 70)  
}
```

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(225, 143, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 143, 70) }
```

Border

The CSS property to change the border of an element to Yxy 36.0947, 0.4737, 0.4073 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(225, 143, 70) }
```

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

```
.border{ border-color:rgb(225, 143, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 143, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 143, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 143, 70);  
box-shadow:4px 4px 4px 4px rgb(225, 143,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0947, 0.4737, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 143, 70) }
```

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

```
.background{ background-color: rgb(225,  
143, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor