

Converting Colors

$Y_{xy}(36.4629, 0.4576, 0.3603)$

Have a look what the booklet for
Yxy(36.4629, 0.4576, 0.3603)
contains.

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Color

Yxy(36.3940, 0.4572, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	ED876B
RGB	237, 135, 107
RGB Percent	93%, 53%, 42%
CMY	0.0707, 0.4705, 0.5804
CMYK	0.00, 0.43, 0.55, 0.07
HSL	13°, 78%, 67%
HSV	13°, 55%, 93%
XYZ	46.2332, 36.3940, 18.4953
YIQ	162.3060, 69.7800, 12.9160

Conversions

Conversions Part 2

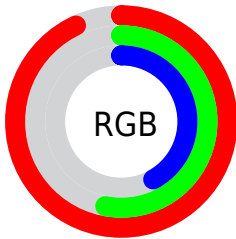
Format	Color
R_{YB}	237, 143, 107
Decimal	15566699
CIE _{Lab}	66.82, 36.24, 32.03
CIE _{LCh}	67, 48.368, 41.468
Yxy	36.3940, 0.4572, 0.3599
Android (android.graphics.Color)	4293756779 (0xFFED876B)
YUV	162.3060, -27.2659, 65.5066
Hunter-Lab	60.3274, 31.2243, 24.0520

Details

The Yxy color **36.3940, 0.4572, 0.3599** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.8009, 0.2356, 0.2926**, and the grayscale version is **36.3903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1584, 0.3938, 0.3607**, and **15.8494, 0.5015, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **31.2211, 0.4974, 0.3630**, and if you desaturate by 10%, it is **42.6125, 0.4206, 0.3550**.

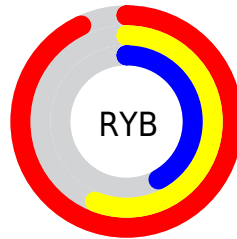
Distribution



Red (93%)

Green (53%)

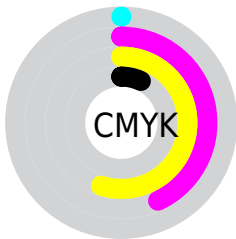
Blue (42%)



Red (93%)

Yellow (56%)

Blue (42%)

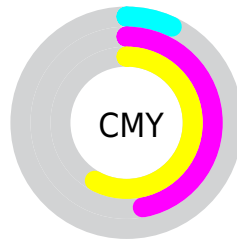


Cyan (0%)

Magenta (43%)

Yellow (55%)

Black (7%)



Cyan (7%)


Magenta (47%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3940, 0.4572, 0.3599 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 36.3940, 0.4572, 0.3599 by changing the saturation by 10% instead.


 36.3940, 0.4572,
0.3599


 36.3940, 0.4572,
0.3599


330.6794, 0.3819,
0.3484


 24.7386, 0.4764,
0.3611


 69.6398, 0.4294,
0.3569


 15.8824, 0.5009,
0.3616


 91.9990, 0.4191,
0.3554

 9.4410, 0.5331,
0.3601


 118.6949, 0.4104,
0.3540

 5.0299, 0.5761,
0.3540

 150.1119, 0.4030,
0.3527

 2.2648, 0.6533,
0.3467

186.6345, 0.3966,
0.3515

 0.7550, 0.7107,
0.2893

228.6470, 0.3911,

 0.0000, 1.0000,

0.3504

0.0000

276.5339, 0.3862,
0.3493

0.0000, 0.0000,
0.0000

36.3940, 0.4572,
0.3599

36.3940, 0.4572,
0.3599

31.2211, 0.4974,
0.3630

42.6125, 0.4206,
0.3550

27.0296, 0.5384,
0.3632

49.9248, 0.3887,
0.3493

23.7570, 0.5761,
0.3597

58.3827, 0.3618,
0.3432

21.3300, 0.6055,
0.3525

68.0332, 0.3392,
0.3372

20.3762, 0.6170,
0.3483

78.9203, 0.3206,
0.3316

■ 91.0861, 0.3051,
0.3264

■ 96.7380, 0.3017,
0.3290

Harmonies

Analogous

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



36.3940, 0.4232, 0.3063



36.3940, 0.4572, 0.3599



36.3940, 0.4459, 0.4134

Triad

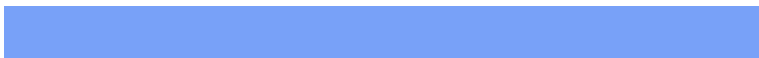
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.3940, 0.4572, 0.3599



36.3940, 0.2619, 0.4162



36.3940, 0.2237, 0.2173

Complementary

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



36.3940, 0.4572, 0.3599



54.8009, 0.2356, 0.2926

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.



36.3940, 0.1917, 0.2302



36.3940, 0.4572, 0.3599



36.3940, 0.2106, 0.3397

Square

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



36.3940, 0.4572, 0.3599



36.3940, 0.3305, 0.4610



36.3940, 0.1869, 0.2712



36.3940, 0.2811, 0.2285

Rectangle

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



36.3940, 0.4572, 0.3599



36.3940, 0.4170, 0.4433



36.3940, 0.1869, 0.2712



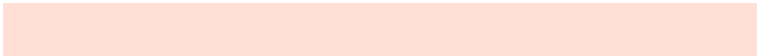
36.3940, 0.2101, 0.2187

Sweetspot

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



36.3959, 0.4572, 0.3599



78.9016, 0.3418, 0.3380



33.2133, 0.3452, 0.2208



16.3665, 0.3462, 0.3392



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.



36.3959, 0.4572, 0.3599



36.1110, 0.5032, 0.3632



59.4344, 0.4139, 0.4260



15.5807, 0.3287, 0.3342



11.2847, 0.6145, 0.3503



1.0241, 0.5883, 0.3711

Inverse Universe

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



54.8009, 0.2356, 0.2926



59.7345, 0.2242, 0.2837



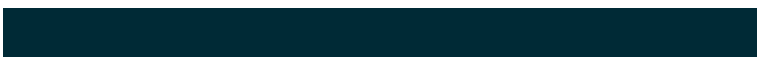
29.7900, 0.2172, 0.2046



16.5383, 0.2981, 0.3238



22.6818, 0.2050, 0.2581



1.9179, 0.2081, 0.2691

Previews

White Background



This preview shows how the Yxy color 36.3940, 0.4572, 0.3599 looks on a white background.

Color Contrast Check

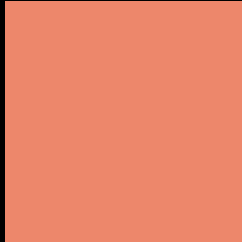
Large Text (above 18pt) WCAG AA × Fail

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 36.3940, 0.4572, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

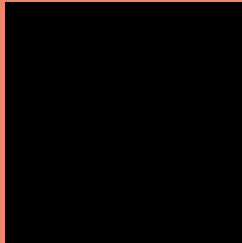
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3940, 0.4572, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 36.3940, 0.4572, 0.3599.



This preview shows how white text looks on a background with the Yxy color 36.3940, 0.4572, 0.3599.

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

36.3940, 0.4572, 0.3599

Protanopia

36.6403, 0.3649, 0.3920

Deuteranopia

36.6265, 0.4065, 0.3985



Tritanopia

36.4768, 0.4241, 0.3194

Trichromacy



Original Color

36.3940, 0.4572, 0.3599

Protanomaly

36.0260, 0.3977, 0.3793

Deuteranomaly

36.1763, 0.4264, 0.3833

Tritanomaly

36.2382, 0.4367, 0.3338

Monochromacy



Original Color

36.3940, 0.4572, 0.3599

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.2283, 0.3610, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3940, 0.4572, 0.3599 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(237, 135, 107)` looks like.

```
.text, #text, p{  
    color:rgb(237, 135, 107)  
}
```

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(237, 135, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 135, 107) }
```

Border

The CSS property to change the border of an element to Yxy 36.3940, 0.4572, 0.3599 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(237, 135, 107) }
```

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

```
.border{ border-color:rgb(237, 135, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 135, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 135, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 135, 107);  
box-shadow:4px 4px 4px 4px rgb(237, 135,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3940, 0.4572, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 135, 107) }
```

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

```
.background{ background-color: rgb(237,  
135, 107) }
```

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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