

Converting Colors

$Y_{xy}(32.9769, 0.4754, 0.3644)$

Have a look what the booklet for
Yxy(32.9769, 0.4754, 0.3644)
contains.

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Color

Yxy(33.0357, 0.4754, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	E97E5D
RGB	233, 126, 93
RGB Percent	91%, 49%, 36%
CMY	0.0863, 0.5058, 0.6354
CMYK	0.00, 0.46, 0.60, 0.09
HSL	14°, 76%, 64%
HSV	14°, 60%, 91%
XYZ	43.0397, 33.0357, 14.4582
YIQ	154.2310, 74.3650, 12.4210

Conversions

Conversions Part 2

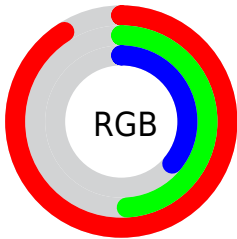
Format	Color
R_{YB}	233, 136, 93
Decimal	15302237
CIE Lab	64.19, 38.31, 36.22
CIE LCh	64, 52.723, 43.397
Yxy	33.0357, 0.4754, 0.3649
Android (android.graphics.Color)	4293492317 (0xFFE97E5D)
YUV	154.2310, -30.1869, 69.0804
Hunter-Lab	57.4767, 33.0800, 25.3193

Details

The Yxy color **33.0357, 0.4754, 0.3649** 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 **49.5010, 0.2292, 0.2846**, and the grayscale version is **32.5329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9161, 0.4108, 0.3669**, and **13.8655, 0.5247, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **28.5303, 0.5155, 0.3670**, and if you desaturate by 10%, it is **38.4806, 0.4375, 0.3604**.

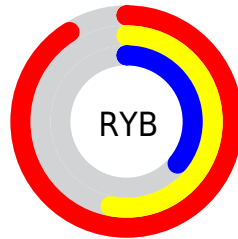
Distribution



Red (91%)

Green (49%)

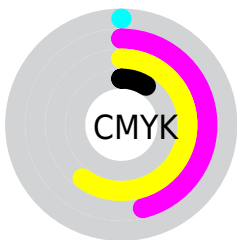
Blue (36%)



Red (91%)

Yellow (53%)

Blue (36%)

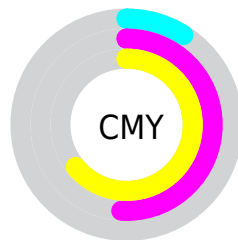


Cyan (0%)

Magenta (46%)

Yellow (60%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0357, 0.4754, 0.3649 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 33.0357, 0.4754, 0.3649 by changing the saturation by 10% instead.


 33.0357, 0.4754,
0.3649


 33.0357, 0.4754,
0.3649


315.8106, 0.3898,
0.3520


 22.1538, 0.4972,
0.3658


 64.4313, 0.4438,
0.3618


 13.9700, 0.5249,
0.3654

 85.7137, 0.4320,
0.3601

 8.0998, 0.5608,
0.3618


 111.2318, 0.4221,
0.3585

 4.1589, 0.6131,
0.3542

 141.3699, 0.4137,
0.3570

 1.7628, 0.6733,
0.3267

176.5124, 0.4065,
0.3556

 0.4638, 0.7635,
0.2365

217.0438, 0.4002,

 0.0000, 1.0000,

0.3543

0.0000

263.3484, 0.3947,
0.3531

0.0000, 0.0000,
0.0000

33.0357, 0.4754,
0.3649

33.0357, 0.4754,
0.3649

28.5303, 0.5155,
0.3670

38.4806, 0.4375,
0.3604

24.9042, 0.5547,
0.3655

44.9098, 0.4038,
0.3545

22.0983, 0.5883,
0.3600

52.3715, 0.3748,
0.3480

20.0527, 0.6130,
0.3515

60.9092, 0.3503,
0.3414

70.5638, 0.3299,
0.3350

■ 81.3739, 0.3129,
0.3291

■ 93.3070, 0.2993,
0.3246

■ 96.0633, 0.2993,
0.3290

Harmonies

Analogous

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



33.0357, 0.4410, 0.3063



33.0357, 0.4754, 0.3649



33.0357, 0.4580, 0.4240

Triad

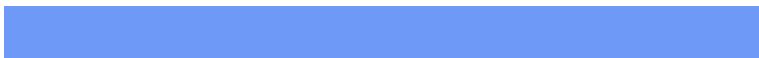
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.0357, 0.4754, 0.3649



33.0357, 0.2505, 0.4234



33.0357, 0.2170, 0.2057

Complementary

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



33.0357, 0.4754, 0.3649



49.5010, 0.2292, 0.2846

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.



33.0357, 0.1806, 0.2172



33.0357, 0.4754, 0.3649



33.0357, 0.1963, 0.3344

Square

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



33.0357, 0.4754, 0.3649



33.0357, 0.3257, 0.4777



33.0357, 0.1733, 0.2593



33.0357, 0.2817, 0.2198

Rectangle

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



33.0357, 0.4754, 0.3649



33.0357, 0.4236, 0.4580



33.0357, 0.1733, 0.2593



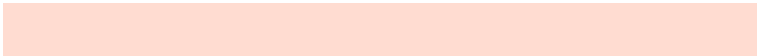
33.0357, 0.2017, 0.2065

Sweetspot

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



33.0374, 0.4754, 0.3649



77.0174, 0.3459, 0.3401



29.3332, 0.3546, 0.2168



15.7820, 0.3524, 0.3420



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.



33.0374, 0.4754, 0.3649



33.9166, 0.5246, 0.3670



57.4393, 0.4210, 0.4378



15.6308, 0.3287, 0.3346



11.5368, 0.6104, 0.3535



1.0504, 0.5838, 0.3747

Inverse Universe

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



49.5010, 0.2292, 0.2846



55.5046, 0.2178, 0.2739



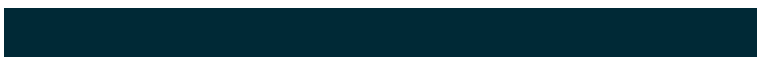
24.2583, 0.2066, 0.1840



16.4845, 0.2981, 0.3233



21.6121, 0.2031, 0.2510



1.8422, 0.2064, 0.2631

Previews

White Background



This preview shows how the Yxy color 33.0357, 0.4754, 0.3649 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 33.0357, 0.4754, 0.3649 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 33.0357, 0.4754, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 33.0357, 0.4754, 0.3649.



This preview shows how white text looks on a background with the Yxy color 33.0357, 0.4754, 0.3649.

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

33.0357, 0.4754, 0.3649

Protanopia

33.2319, 0.3748, 0.4043

Deuteranopia

33.1466, 0.4179, 0.4105



Tritanopia

32.9486, 0.4374, 0.3193

Trichromacy



Original Color

33.0357, 0.4754, 0.3649

Protanomaly

32.3969, 0.4104, 0.3886

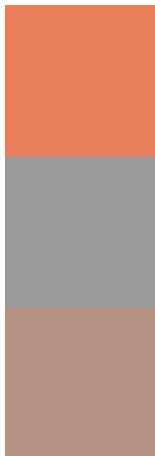
Deuteranomaly

32.9097, 0.4393, 0.3926

Tritanomaly

32.9427, 0.4512, 0.3361

Monochromacy



Original Color

33.0357, 0.4754, 0.3649

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6797, 0.3679, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0357, 0.4754, 0.3649 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(233, 126, 93)` looks like.

```
.text, #text, p{  
    color:rgb(233, 126, 93)  
}
```

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(233, 126, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 126, 93) }
```

Border

The CSS property to change the border of an element to Yxy 33.0357, 0.4754, 0.3649 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(233, 126, 93) }
```

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

```
.border{ border-color:rgb(233, 126, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 126, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 126, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 126, 93);  
box-shadow:4px 4px 4px 4px rgb(233, 126,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 33.0357, 0.4754, 0.3649$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 126, 93) }
```

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

```
.background{ background-color: rgb(233,  
126, 93) }
```

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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