

# Converting Colors

$Y_{xy}(36.4744, 0.4368, 0.3600)$

Have a look what the booklet for  
Yxy(36.4744, 0.4368, 0.3600)  
contains.

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# Color

**Yxy(36.3020, 0.4366, 0.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38C72
RGB	227, 140, 114
RGB Percent	89%, 55%, 45%
CMY	0.1097, 0.4510, 0.5529
CMYK	0.00, 0.38, 0.50, 0.11
HSL	14°, 67%, 67%
HSV	14°, 50%, 89%
XYZ	44.0998, 36.3020, 20.6055
YIQ	163.0490, 60.1980, 10.3580

# Conversions

## Conversions Part 2

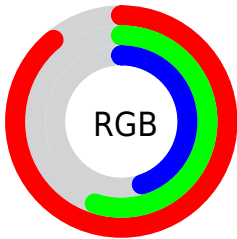
Format	Color
R <sub>Y</sub> B	227, 148, 114
Decimal	14912626
CIE Lab	66.75, 30.40, 27.85
CIE LCh	67, 41.227, 42.490
Yxy	36.3020, 0.4366, 0.3594
Android (android.graphics.Color)	4293102706 (0xFFE38C72)
YUV	163.0490, -24.1812, 56.0850
Hunter-Lab	60.2511, 25.2104, 21.8990

# Details

The Yxy color **36.3020, 0.4366, 0.3594** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.9182, 0.2412, 0.2944**, and the grayscale version is **36.7465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5967, 0.3861, 0.3585**, and **15.8629, 0.4739, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **31.1399, 0.4745, 0.3638**, and if you desaturate by 10%, it is **42.4078, 0.4029, 0.3536**.

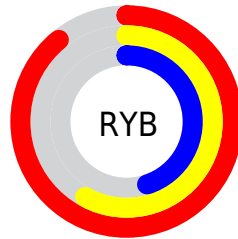
# Distribution



Red (89%)

Green (55%)

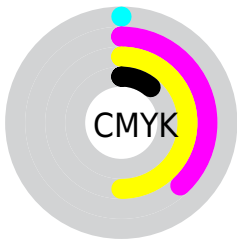
Blue (45%)



Red (89%)

Yellow (58%)

Blue (45%)

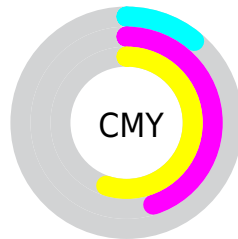


Cyan (0%)

Magenta (38%)

Yellow (50%)

Black (11%)



Cyan (11%)

Magenta (45%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3020, 0.4366, 0.3594 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 36.3020, 0.4366, 0.3594 by changing the saturation by 10% instead.




 36.3020, 0.4366,  
0.3594


 36.3020, 0.4366,  
0.3594


330.2786, 0.3718,  
0.3469

 24.6675, 0.4534,  
0.3614


 69.4979, 0.4125,  
0.3556


 15.8295, 0.4750,  
0.3631


 91.8282, 0.4036,  
0.3540

 9.4036, 0.5039,  
0.3638


 118.4925, 0.3962,  
0.3525

 5.0054, 0.5435,  
0.3617

 149.8753, 0.3898,  
0.3511

 2.2504, 0.6231,  
0.3652

186.3608, 0.3843,  
0.3499

 0.7473, 0.6833,  
0.3167

228.3337, 0.3796,

 0.0000, 1.0000,

0.3488

0.0000

276.1781, 0.3754,  
0.3478

0.0000, 0.0000,  
0.0000

36.3020, 0.4366,  
0.3594

36.3020, 0.4366,  
0.3594

31.1399, 0.4745,  
0.3638

42.4078, 0.4029,  
0.3536

26.8680, 0.5148,  
0.3659

49.4962, 0.3740,  
0.3473

23.4358, 0.5542,  
0.3646

57.6106, 0.3496,  
0.3408


20.7851, 0.5882,  
0.3592

66.7899, 0.3293,  
0.3347

18.8435, 0.6134,  
0.3509

77.0713, 0.3124,  
0.3289

 18.8077, 0.6139,  
0.3507

 88.4899, 0.2983,  
0.3236

 95.0746, 0.2958,  
0.3290

# Harmonies

## Analogous

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



36.3020, 0.4084, 0.3118



36.3020, 0.4366, 0.3594



36.3020, 0.4269, 0.4053

# Triad

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



36.3020, 0.4366, 0.3594



36.3020, 0.2680, 0.4003



36.3020, 0.2370, 0.2316

# Complementary

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



36.3020, 0.4366, 0.3594



50.9182, 0.2412, 0.2944

# 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.



36.3020, 0.2077, 0.2430



36.3020, 0.4366, 0.3594



36.3020, 0.2235, 0.3367

# Square

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



36.3020, 0.4366, 0.3594



36.3020, 0.3273, 0.4395



36.3020, 0.2029, 0.2788



36.3020, 0.2880, 0.2419



# Rectangle

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



36.3020, 0.4366, 0.3594



36.3020, 0.4021, 0.4295



36.3020, 0.2029, 0.2788



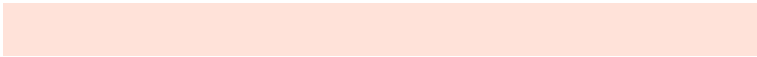
36.3020, 0.2246, 0.2328

# Sweetspot

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



36.3038, 0.4366, 0.3594



80.4016, 0.3396, 0.3379



32.6617, 0.3433, 0.2316



16.6756, 0.3440, 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.



36.3038, 0.4366, 0.3594



40.1602, 0.4769, 0.3640



56.5812, 0.4024, 0.4197



14.9029, 0.3287, 0.3345



11.1127, 0.6115, 0.3527



0.9601, 0.5833, 0.3750



# Inverse Universe

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



50.9182, 0.2412, 0.2944



61.1397, 0.2293, 0.2856



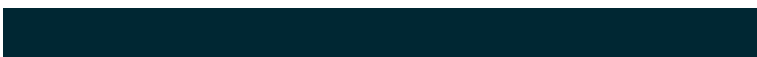
29.6930, 0.2260, 0.2158



15.7450, 0.2981, 0.3235



21.2578, 0.2037, 0.2532



1.7082, 0.2071, 0.2656



# Previews

## White Background



This preview shows how the Yxy color 36.3020, 0.4366, 0.3594 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 36.3020, 0.4366, 0.3594 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 36.3020, 0.4366, 0.3594**

## Background



This preview shows how black text looks on a background with the Yxy color 36.3020, 0.4366, 0.3594.



This preview shows how white text looks on a background with the Yxy color 36.3020, 0.4366, 0.3594.

# 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

36.3020, 0.4366, 0.3594

### Protanopia

36.6483, 0.3592, 0.3850

### Deuteranopia

36.5267, 0.3968, 0.3889



## Tritanopia

36.3417, 0.4047, 0.3176

# Trichromacy



**Original Color**

36.3020, 0.4366, 0.3594

**Protanomaly**

36.1362, 0.3864, 0.3763

**Deuteranomaly**

36.2479, 0.4119, 0.3774

**Tritanomaly**

36.1065, 0.4170, 0.3328

# Monochromacy



**Original Color**

36.3020, 0.4366, 0.3594

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

35.9261, 0.3539, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.3020, 0.4366, 0.3594 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(227, 140, 114)` looks like.

```
.text, #text, p{  
    color:rgb(227, 140, 114)  
}
```

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(227, 140, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 140, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 36.3020, 0.4366, 0.3594 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(227, 140, 114) }
```

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

```
.border{ border-color:rgb(227, 140, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 140, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 140, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 140, 114);  
box-shadow:4px 4px 4px 4px rgb(227, 140,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.3020, 0.4366, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 140, 114) }
```

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

```
.background{ background-color: rgb(227,  
140, 114) }
```

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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