

# Converting Colors

$Y_{xy}(34.0418, 0.4206, 0.3275)$

Have a look what the booklet for  
Yxy(34.0418, 0.4206, 0.3275)  
contains.

<b>Yxy(34.0673, 0.4204, 0.3281)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(34.0673, 0.4204, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E28384
RGB	226, 131, 132
RGB Percent	89%, 51%, 52%
CMY	0.1137, 0.4863, 0.4823
CMYK	0.00, 0.42, 0.42, 0.11
HSL	359°, 62%, 70%
HSV	359°, 42%, 89%
XYZ	43.6510, 34.0673, 26.1138
YIQ	159.5190, 56.2990, 20.4510

# Conversions

## Conversions Part 2

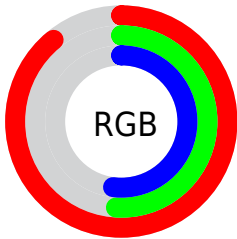
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 131, 132
Decimal	14844804
CIE Lab	65.02, 36.56, 15.42
CIE LCh	65, 39.677, 22.873
Yxy	34.0673, 0.4204, 0.3281
Android (android.graphics.Color)	4293034884 (0xFFE28384)
YUV	159.5190, -13.5669, 58.3038
Hunter-Lab	58.3672, 31.3520, 14.3304

# Details

The Yxy color **34.0673, 0.4204, 0.3281** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.6631, 0.2560, 0.3301**, and the grayscale version is **34.9664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4607, 0.3728, 0.3292**, and **14.5413, 0.4561, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **28.0981, 0.4619, 0.3280**, and if you desaturate by 10%, it is **41.4951, 0.3855, 0.3283**.

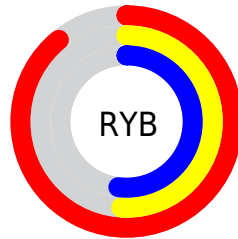
# Distribution



Red (89%)

Green (51%)

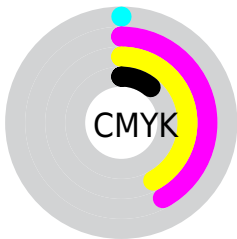
Blue (52%)



Red (89%)

Yellow (51%)

Blue (52%)

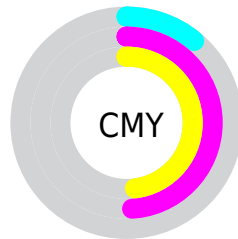


Cyan (0%)

Magenta (42%)

Yellow (42%)

Black (11%)



Cyan (11%)

Magenta (49%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0673, 0.4204, 0.3281 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 34.0673, 0.4204, 0.3281 by changing the saturation by 10% instead.





 34.0673, 0.4204,  
0.3281


 34.0673, 0.4204,  
0.3281


320.4320, 0.3632,  
0.3305

 22.9453, 0.4357,  
0.3268


 66.0383, 0.3989,  
0.3295

 14.5531, 0.4558,  
0.3245


 87.6561, 0.3910,  
0.3299

 8.5064, 0.4835,  
0.3207


 113.5413, 0.3844,  
0.3301

 4.4206, 0.5235,  
0.3134

144.0783, 0.3789,  
0.3303

 1.9115, 0.5867,  
0.2989

179.6515, 0.3741,  
0.3304

 0.5553, 0.7378,  
0.2622

220.6452, 0.3700,

 0.0000, 1.0000,

0.3304

0.0000

267.4439, 0.3664,  
0.3305

0.0000, 0.0000,  
0.0000

34.0673, 0.4204,  
0.3281

34.0673, 0.4204,  
0.3281

28.0981, 0.4619,  
0.3280

41.4951, 0.3855,  
0.3283

23.4869, 0.5086,  
0.3280

50.4633, 0.3570,  
0.3285

20.1287, 0.5563,  
0.3282

61.0537, 0.3342,  
0.3287

17.9006, 0.5982,  
0.3287

73.3406, 0.3160,  
0.3290

16.6553, 0.6269,  
0.3292

87.3942, 0.3014,  
0.3292

■ 16.1772, 0.6392,  
0.3295

■ 94.9118, 0.2952,  
0.3289

# Harmonies

## Analogous

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



34.0673, 0.3723, 0.2843



34.0673, 0.4204, 0.3281



34.0673, 0.4354, 0.3754

# Triad

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



34.0673, 0.4204, 0.3281



34.0673, 0.3063, 0.4284



34.0673, 0.2166, 0.2379

# Complementary

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



34.0673, 0.4204, 0.3281



64.6631, 0.2560, 0.3301

# 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.



34.0673, 0.2034, 0.2648



34.0673, 0.4204, 0.3281



34.0673, 0.2513, 0.3786

# Square

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



34.0673, 0.4204, 0.3281



34.0673, 0.3659, 0.4409



34.0673, 0.2150, 0.3152



34.0673, 0.2535, 0.2342



# Rectangle

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



34.0673, 0.4204, 0.3281



34.0673, 0.4247, 0.4048



34.0673, 0.2150, 0.3152



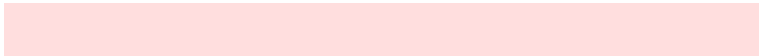
34.0673, 0.2095, 0.2441

# Sweetspot

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



34.0690, 0.4204, 0.3281



78.7081, 0.3363, 0.3287



37.6395, 0.3160, 0.2256



16.1551, 0.3411, 0.3287



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.



34.0690, 0.4204, 0.3281



38.1502, 0.4544, 0.3280



49.2237, 0.3977, 0.3826



13.7029, 0.3290, 0.3288



9.2285, 0.6389, 0.3293



0.6405, 0.6353, 0.3273



# Inverse Universe

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



34.0690, 0.4204, 0.3281



38.1502, 0.4544, 0.3280



42.9953, 0.2455, 0.2677



13.7029, 0.3290, 0.3288



9.2285, 0.6389, 0.3293



0.6405, 0.6353, 0.3273



# Previews

## White Background



This preview shows how the Yxy color 34.0673, 0.4204, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

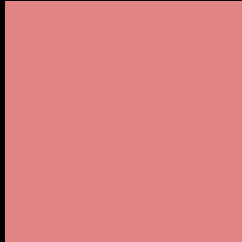
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0673, 0.4204, 0.3281 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 34.0673, 0.4204, 0.3281**

## Background



This preview shows how black text looks on a background with the Yxy color 34.0673, 0.4204, 0.3281.



This preview shows how white text looks on a background with the Yxy color 34.0673, 0.4204, 0.3281.

# 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

34.0673, 0.4204, 0.3281

### Protanopia

34.4216, 0.3297, 0.3468

### Deuteranopia

34.2053, 0.3701, 0.3628



## Tritanopia

34.1602, 0.4136, 0.3188

# Trichromacy



**Original Color**

34.0673, 0.4204, 0.3281

**Protanomaly**

33.6677, 0.3612, 0.3388

**Deuteranomaly**

33.6736, 0.3887, 0.3491

**Tritanomaly**

34.0737, 0.4172, 0.3223

# Monochromacy



**Original Color**

34.0673, 0.4204, 0.3281

**Achromatopsia**

35.1533, 0.3127, 0.3290

**Achromatomaly**

33.8872, 0.3483, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0673, 0.4204, 0.3281 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(226, 131, 132)` looks like.

```
.text, #text, p{  
    color:rgb(226, 131, 132)  
}
```

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(226, 131, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 131, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0673, 0.4204, 0.3281 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(226, 131, 132) }
```

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

```
.border{ border-color:rgb(226, 131, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 131, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 131, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 131, 132); box-shadow:4px 4px 4px 4px rgb(226, 131, 132) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0673, 0.4204, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 131, 132) }
```

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

```
.background{ background-color: rgb(226,  
131, 132) }
```

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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