

# Converting Colors

$Y_{xy}(32.7558, 0.4996, 0.3391)$

Have a look what the booklet for  
Yxy(32.7558, 0.4996, 0.3391)  
contains.

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# Color

**Yxy(32.7208, 0.4996, 0.3390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD6D63
RGB	253, 109, 99
RGB Percent	99%, 43%, 39%
CMY	0.0079, 0.5724, 0.6118
CMYK	0.00, 0.57, 0.61, 0.01
HSL	4°, 97%, 69%
HSV	4°, 61%, 99%
XYZ	48.2222, 32.7208, 15.5786
YIQ	150.9160, 89.0340, 27.4180

# Conversions

## Conversions Part 2

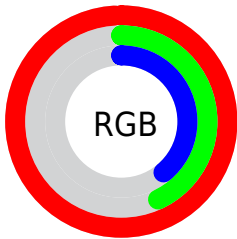
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">253, 110, 99</a>
Decimal	<a href="#">16608611</a>
CIELab	<a href="#">63.93, 54.24, 33.21</a>
CIElCh	<a href="#">64, 63.602, 31.479</a>
Yxy	<a href="#">32.7208, 0.4996, 0.3390</a>
Android (android.graphics.Color)	<a href="#">4294798691</a> ( <a href="#">0xFFFD6D63</a> )
YUV	<a href="#">150.9160, -25.5946, 89.5277</a>
Hunter-Lab	<a href="#">57.2021, 50.3743, 23.8943</a>

# Details

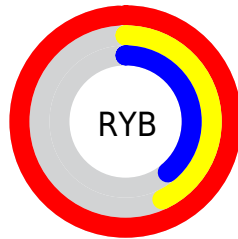
The Yxy color **32.7208, 0.4996, 0.3390** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **73.8115, 0.2357, 0.3168**, and the grayscale version is **30.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3723, 0.4124, 0.3451**, and **13.7413, 0.5566, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **27.9255, 0.5463, 0.3390**, and if you desaturate by 10%, it is **39.0284, 0.4547, 0.3380**.

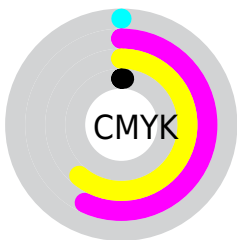
# Distribution



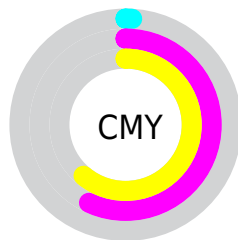
- Red (99%)
- Green (43%)
- Blue (39%)



- Red (99%)
- Yellow (43%)
- Blue (39%)



- Cyan (0%)
- Magenta (57%)
- Yellow (61%)
- Black (1%)




- Cyan (1%)
- Magenta (57%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7208, 0.4996, 0.3390 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 32.7208, 0.4996, 0.3390 by changing the saturation by 10% instead.




 32.7208, 0.4996,  
0.3390


 32.7208, 0.4996,  
0.3390


314.3898, 0.4010,  
0.3405


 21.9126, 0.5247,  
0.3361


 63.9394, 0.4631,  
0.3414


 13.7927, 0.5568,  
0.3307


 85.1186, 0.4496,  
0.3417

 7.9766, 0.5983,  
0.3208


 110.5236, 0.4382,  
0.3418

 4.0800, 0.6551,  
0.3030

 140.5389, 0.4285,  
0.3416

 1.7184, 0.7315,  
0.2685

175.5487, 0.4202,  
0.3414

 0.4355, 0.8278,  
0.1722

215.9375, 0.4129,

 0.0000, 1.0000,

0.3412


0.0000


262.0898, 0.4066,  
0.3409


 0.0000, 0.0000,  
0.0000


 32.7208, 0.4996,  
0.3390


 32.7208, 0.4996,  
0.3390


 27.9255, 0.5463,  
0.3390


 39.0284, 0.4547,  
0.3380

 24.5108, 0.5890,  
0.3377


 46.9548, 0.4150,  
0.3364

 22.3317, 0.6206,  
0.3352

 56.6032, 0.3815,  
0.3346

 21.2628, 0.6367,  
0.3327

 68.0667, 0.3541,  
0.3327

 81.4318, 0.3319,  
0.3308

96.7792, 0.3141,  
0.3291

99.6179, 0.3115,  
0.3290

# Harmonies

## Analogous

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



32.7208, 0.4352, 0.2755



32.7208, 0.4996, 0.3390



32.7208, 0.4991, 0.4076

# Triad

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



32.7208, 0.4996, 0.3390



32.7208, 0.2694, 0.4819



32.7208, 0.1798, 0.1865

# Complementary

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



32.7208, 0.4996, 0.3390



73.8115, 0.2357, 0.3168

# 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.



32.7208, 0.1519, 0.2108



32.7208, 0.4996, 0.3390



32.7208, 0.1950, 0.3783

# Square

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



32.7208, 0.4996, 0.3390



32.7208, 0.3607, 0.5144



32.7208, 0.1558, 0.2740



32.7208, 0.2409, 0.1923



# Rectangle

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



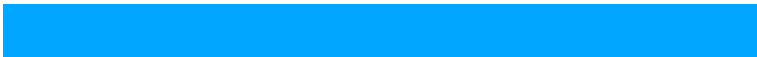
32.7208, 0.4996, 0.3390



32.7208, 0.4673, 0.4534



32.7208, 0.1558, 0.2740



32.7208, 0.1670, 0.1909

# Sweetspot

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



32.7226, 0.4996, 0.3390



73.0003, 0.3473, 0.3321



36.4113, 0.3265, 0.1934



14.8213, 0.3542, 0.3327



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.



32.7226, 0.4996, 0.3390



27.5690, 0.5562, 0.3388



55.9297, 0.4425, 0.4137



18.1769, 0.3293, 0.3306



11.3830, 0.6355, 0.3336



1.1718, 0.6252, 0.3418



# Inverse Universe

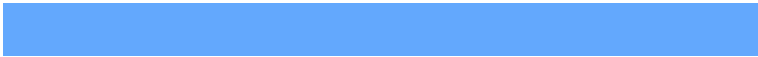
The Inverse Universe completely reimagines the original color for something new.



73.8115, 0.2357, 0.3168



72.5059, 0.2275, 0.3141



37.8552, 0.2134, 0.2188



20.2668, 0.2980, 0.3274



35.9297, 0.2190, 0.3085



3.5570, 0.2197, 0.3110



# Previews

## White Background



This preview shows how the Yxy color 32.7208, 0.4996, 0.3390 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 32.7208, 0.4996, 0.3390 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 32.7208, 0.4996, 0.3390**

## Background



This preview shows how black text looks on a background with the Yxy color 32.7208, 0.4996, 0.3390.



This preview shows how white text looks on a background with the Yxy color 32.7208, 0.4996, 0.3390.

# 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

32.7208, 0.4996, 0.3390

### Protanopia

32.8577, 0.3595, 0.3846

### Deuteranopia

32.7713, 0.4139, 0.4048



## Tritanopia

32.8011, 0.4838, 0.3228

# Trichromacy



## Original Color

32.7208, 0.4996, 0.3390

## Protanomaly

31.3304, 0.4108, 0.3651

## Deuteranomaly

31.8735, 0.4461, 0.3767

## Tritanomaly

32.9001, 0.4893, 0.3286

# Monochromacy



## Original Color

32.7208, 0.4996, 0.3390

## Achromatopsia

30.9469, 0.3127, 0.3290

## Achromatomaly

29.9656, 0.3766, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.7208, 0.4996, 0.3390 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(253, 109, 99)` looks like.

```
.text, #text, p{  
    color:rgb(253, 109, 99)  
}
```

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(253, 109, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 109, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 32.7208, 0.4996, 0.3390 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(253, 109, 99) }
```

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

```
.border{ border-color:rgb(253, 109, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 109, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 109, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 109, 99);  
box-shadow:4px 4px 4px 4px rgb(253, 109,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.7208, 0.4996, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 109, 99) }
```

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

```
.background{ background-color: rgb(253,  
109, 99) }
```

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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