

Converting Colors

$Y_{xy}(40.1291, 0.5329, 0.3411)$

Have a look what the booklet for
Yxy(40.1291, 0.5329, 0.3411)
contains.

Yxy(32.9876, 0.5080, 0.3442)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9876, 0.5080, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	FF6D5D
RGB	255, 109, 93
RGB Percent	100%, 43%, 36%
CMY	0.0000, 0.5725, 0.6352
CMYK	0.00, 0.57, 0.64, 0.00
HSL	6°, 100%, 68%
HSV	6°, 64%, 100%
XYZ	48.6859, 32.9876, 14.1649
YIQ	150.8300, 92.1520, 25.9760

Conversions

Conversions Part 2

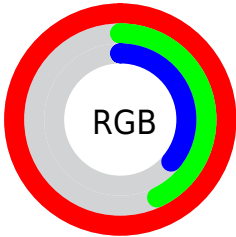
Format	Color
RYB	255, 111, 93
Decimal	16739677
CIELab	64.15, 54.58, 36.85
CIELCh	64, 65.857, 34.025
Yxy	32.9876, 0.5080, 0.3442
Android (android.graphics.Color)	4294929757 (0xFFFF6D5D)
YUV	150.8300, -28.5102, 91.3571
Hunter-Lab	57.4348, 50.7986, 25.5819

Details

The Yxy color **32.9876, 0.5080, 0.3442** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **71.2992, 0.2321, 0.3096**, and the grayscale version is **30.9680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1839, 0.4182, 0.3513**, and **13.9499, 0.5665, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **28.3304, 0.5535, 0.3439**, and if you desaturate by 10%, it is **39.0808, 0.4633, 0.3430**.

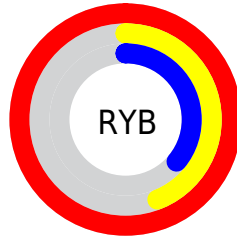
Distribution



Red (100%)

Green (43%)

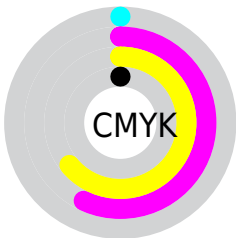
Blue (36%)



Red (100%)

Yellow (44%)

Blue (36%)

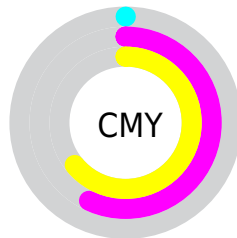


Cyan (0%)

Magenta (57%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (57%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9876, 0.5080, 0.3442 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 32.9876, 0.5080, 0.3442 by changing the saturation by 10% instead.


 32.9876, 0.5080,
0.3442


 32.9876, 0.5080,
0.3442


315.5939, 0.4056,
0.3440

 22.1169, 0.5337,
0.3413


 64.3562, 0.4703,
0.3462

 13.9429, 0.5662,
0.3358


 85.6229, 0.4563,
0.3463

 8.0809, 0.6077,
0.3254


 111.1237, 0.4444,
0.3462

 4.1468, 0.6668,
0.3083

 141.2431, 0.4343,
0.3458

 1.7560, 0.7313,
0.2687

176.3654, 0.4256,
0.3454

 0.4595, 0.8240,
0.1760

216.8750, 0.4180,

 0.0000, 1.0000,

0.3450

0.0000

263.1564, 0.4114,
0.3445

■ 0.0000, 0.0000,
0.0000

■ 32.9876, 0.5080,
0.3442

■ 32.9876, 0.5080,
0.3442

■ 28.3304, 0.5535,
0.3439

■ 39.0808, 0.4633,
0.3430

■ 24.9862, 0.5938,
0.3416

■ 46.7095, 0.4231,
0.3408

■ 22.8199, 0.6226,
0.3375

■ 55.9703, 0.3888,
0.3381

■ 21.9614, 0.6340,
0.3348

■ 66.9505, 0.3604,
0.3353

■ 79.7310, 0.3372,
0.3325

 94.3877, 0.3184,
0.3299

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.9876, 0.4469, 0.2789



32.9876, 0.5080, 0.3442



32.9876, 0.5012, 0.4145

Triad

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



32.9876, 0.5080, 0.3442



32.9876, 0.2600, 0.4807



32.9876, 0.1803, 0.1823

Complementary

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



32.9876, 0.5080, 0.3442



71.2992, 0.2321, 0.3096

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.



32.9876, 0.1492, 0.2039



32.9876, 0.5080, 0.3442



32.9876, 0.1865, 0.3695

Square

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



32.9876, 0.5080, 0.3442



32.9876, 0.3532, 0.5212



32.9876, 0.1501, 0.2645



32.9876, 0.2457, 0.1907

Rectangle

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



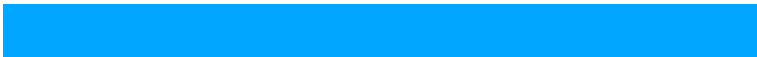
32.9876, 0.5080, 0.3442



32.9876, 0.4653, 0.4615



32.9876, 0.1501, 0.2645



32.9876, 0.1663, 0.1858

Sweetspot

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



32.9893, 0.5080, 0.3442



72.4944, 0.3493, 0.3340



35.4757, 0.3324, 0.1930



14.7560, 0.3562, 0.3348



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.



32.9893, 0.5080, 0.3442



27.3819, 0.5642, 0.3435



57.8102, 0.4453, 0.4213



18.2750, 0.3292, 0.3314



11.5698, 0.6325, 0.3360



1.2181, 0.6180, 0.3475

Inverse Universe

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



71.2992, 0.2321, 0.3096



68.1462, 0.2238, 0.3053



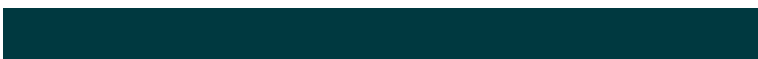
34.8713, 0.2077, 0.2056



20.1572, 0.2980, 0.3266



33.4270, 0.2160, 0.2977



3.3397, 0.2171, 0.3015

Previews

White Background



This preview shows how the Yxy color 32.9876, 0.5080, 0.3442 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 32.9876, 0.5080, 0.3442 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 32.9876, 0.5080, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 32.9876, 0.5080, 0.3442.



This preview shows how white text looks on a background with the Yxy color 32.9876, 0.5080, 0.3442.

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

32.9876, 0.5080, 0.3442

Protanopia

33.2495, 0.3680, 0.3959

Deuteranopia

33.1139, 0.4197, 0.4129



Tritanopia

32.9903, 0.4847, 0.3228

Trichromacy



Original Color

32.9876, 0.5080, 0.3442

Protanomaly

31.7441, 0.4200, 0.3750

Deuteranomaly

32.0676, 0.4544, 0.3828

Tritanomaly

33.0257, 0.4938, 0.3314

Monochromacy



Original Color

32.9876, 0.5080, 0.3442

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.0388, 0.3800, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9876, 0.5080, 0.3442 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(255, 109, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 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(255, 109, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 93) }
```

Border

The CSS property to change the border of an element to Yxy 32.9876, 0.5080, 0.3442 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(255, 109, 93) }
```

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

```
.border{ border-color:rgb(255, 109, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9876, 0.5080, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 93) }
```

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

```
.background{ background-color: rgb(255,  
109, 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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