

Converting Colors

$Y_{xy}(32.4621, 0.5289, 0.3700)$

Have a look what the booklet for
Yxy(32.4621, 0.5289, 0.3700)
contains.

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Color

Yxy(32.4792, 0.5298, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	FB7041
RGB	251, 112, 65
RGB Percent	98%, 44%, 25%
CMY	0.0157, 0.5607, 0.7451
CMYK	0.00, 0.55, 0.74, 0.02
HSL	15°, 96%, 62%
HSV	15°, 74%, 98%
XYZ	46.5319, 32.4792, 8.8180
YIQ	148.2030, 97.9310, 14.8510

Conversions

Conversions Part 2

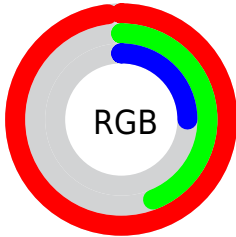
Format	Color
RYB	251, 128, 65
Decimal	16478273
CIELab	63.74, 50.38, 50.95
CIElCh	64, 71.648, 45.323
Yxy	32.4792, 0.5298, 0.3698
Android (android.graphics.Color)	4294668353 (0xFFFB7041)
YUV	148.2030, -41.0191, 90.1530
Hunter-Lab	56.9905, 46.0090, 30.7195

Details

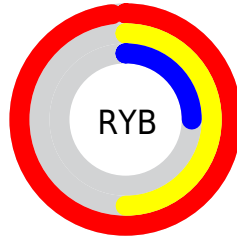
The Yxy color **32.4792, 0.5298, 0.3698** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **51.2717, 0.2151, 0.2678**, and the grayscale version is **29.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1352, 0.4435, 0.3824**, and **13.6254, 0.5870, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **28.5346, 0.5667, 0.3667**, and if you desaturate by 10%, it is **37.4186, 0.4901, 0.3689**.

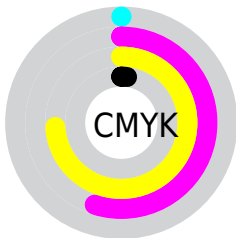
Distribution



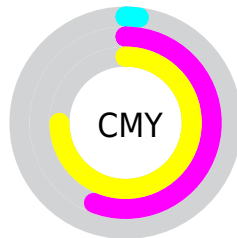
- Red (98%)
- Green (44%)
- Blue (25%)



- Red (98%)
- Yellow (50%)
- Blue (25%)



- Cyan (0%)
- Magenta (55%)
- Yellow (74%)
- Black (2%)




- Cyan (2%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4792, 0.5298, 0.3698 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 32.4792, 0.5298, 0.3698 by changing the saturation by 10% instead.


 32.4792, 0.5298,
0.3698


 32.4792, 0.5298,
0.3698


313.2964, 0.4184,
0.3605


 21.7278, 0.5560,
0.3675


 63.5616, 0.4900,
0.3697


 13.6570, 0.5875,
0.3616


 84.6613, 0.4747,
0.3687


 7.8825, 0.6272,
0.3503

 109.9793, 0.4617,
0.3674

 4.0199, 0.6732,
0.3268

 139.8999, 0.4506,
0.3660

 1.6847, 0.7198,
0.2802

 174.8075, 0.4409,
0.3645

 0.4137, 0.8204,
0.1796

215.0865, 0.4324,

 0.0000, 1.0000,

0.3631

0.0000

261.1214, 0.4250,
0.3618

■ 0.0000, 0.0000,
0.0000

■ 32.4792, 0.5298,
0.3698

■ 32.4792, 0.5298,
0.3698

■ 28.5346, 0.5667,
0.3667

■ 37.4186, 0.4901,
0.3689

■ 25.5069, 0.5965,
0.3593


■ 43.4120, 0.4516,
0.3649


■ 24.1121, 0.6101,
0.3538


■ 50.5197, 0.4164,
0.3590

■ 58.7960, 0.3857,
0.3522

■ 68.2912, 0.3596,
0.3451

 79.0530, 0.3376,
0.3382

 91.1261, 0.3193,
0.3316

 99.2490, 0.3102,
0.3290

Harmonies

Analogous

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



32.4792, 0.4923, 0.2990



32.4792, 0.5298, 0.3698



32.4792, 0.4947, 0.4460

Triad

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



32.4792, 0.5298, 0.3698



32.4792, 0.2203, 0.4555



32.4792, 0.1921, 0.1721

Complementary

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



32.4792, 0.5298, 0.3698



51.2717, 0.2151, 0.2678

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.



32.4792, 0.1465, 0.1814



32.4792, 0.5298, 0.3698



32.4792, 0.1570, 0.3238

Square

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



32.4792, 0.5298, 0.3698



32.4792, 0.3151, 0.5364



32.4792, 0.1344, 0.2276



32.4792, 0.2758, 0.1917

Rectangle

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



32.4792, 0.5298, 0.3698



32.4792, 0.4443, 0.4956



32.4792, 0.1344, 0.2276



32.4792, 0.1729, 0.1718

Sweetspot

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



32.4810, 0.5298, 0.3698



73.0065, 0.3547, 0.3436



28.6737, 0.3719, 0.2026



15.0114, 0.3611, 0.3456



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.



32.4810, 0.5298, 0.3698



27.9051, 0.5827, 0.3635



64.3145, 0.4433, 0.4565



17.9379, 0.3288, 0.3351



12.8690, 0.6073, 0.3560



1.3534, 0.5845, 0.3741

Inverse Universe

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



51.2717, 0.2151, 0.2678



47.6936, 0.2054, 0.2535



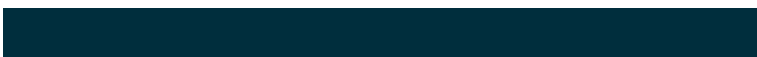
19.5678, 0.1828, 0.1412



18.8222, 0.2980, 0.3229



22.7142, 0.2014, 0.2449



2.2723, 0.2045, 0.2561

Previews

White Background



This preview shows how the Yxy color 32.4792, 0.5298, 0.3698 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 32.4792, 0.5298, 0.3698 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 32.4792, 0.5298, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 32.4792, 0.5298, 0.3698.



This preview shows how white text looks on a background with the Yxy color 32.4792, 0.5298, 0.3698.

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

32.4792, 0.5298, 0.3698

Protanopia

32.6507, 0.4014, 0.4384

Deuteranopia

32.4904, 0.4485, 0.4397



Tritanopia

32.3830, 0.4848, 0.3227

Trichromacy



Original Color

32.4792, 0.5298, 0.3698

Protanomaly

31.2256, 0.4507, 0.4108

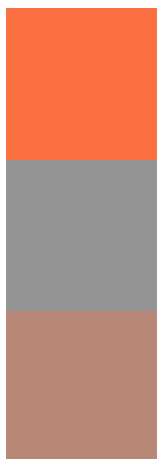
Deuteranomaly

31.6621, 0.4811, 0.4112

Tritanomaly

32.2651, 0.5030, 0.3408

Monochromacy



Original Color

32.4792, 0.5298, 0.3698

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.9502, 0.3898, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4792, 0.5298, 0.3698 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(251, 112, 65)` looks like.

```
.text, #text, p{  
    color:rgb(251, 112, 65)  
}
```

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(251, 112, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 112, 65) }
```

Border

The CSS property to change the border of an element to Yxy 32.4792, 0.5298, 0.3698 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(251, 112, 65) }
```

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

```
.border{ border-color:rgb(251, 112, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 112, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 112, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 112, 65);  
box-shadow:4px 4px 4px 4px rgb(251, 112,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4792, 0.5298, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 112, 65) }
```

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

```
.background{ background-color: rgb(251,  
112, 65) }
```

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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