

Converting Colors

$Y_{xy}(32.3232, 0.5267, 0.3560)$

Have a look what the booklet for
Yxy(32.3232, 0.5267, 0.3560)
contains.

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Color

Yxy(32.3112, 0.5263, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B4D
RGB	255, 107, 77
RGB Percent	100%, 42%, 30%
CMY	0.0000, 0.5803, 0.6979
CMYK	0.00, 0.58, 0.70, 0.00
HSL	10°, 100%, 65%
HSV	10°, 70%, 100%
XYZ	47.8351, 32.3112, 10.7431
YIQ	147.8320, 97.8380, 22.0460

Conversions

Conversions Part 2

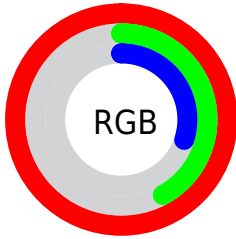
Format	Color
R _Y B	255, 113, 77
Decimal	16739149
CIE Lab	63.60, 54.62, 44.82
CIE LCh	64, 70.654, 39.376
Yxy	32.3112, 0.5263, 0.3555
Android (android.graphics.Color)	4294929229 (0xFFFF6B4D)
YUV	147.8320, -34.9202, 93.9863
Hunter-Lab	56.8429, 50.7382, 28.5844

Details

The Yxy color **32.3112, 0.5263, 0.3555** 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 **62.6526, 0.2236, 0.2916**, and the grayscale version is **29.6623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9867, 0.4353, 0.3666**, and **13.5378, 0.5861, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **28.1275, 0.5678, 0.3537**, and if you desaturate by 10%, it is **37.7235, 0.4831, 0.3545**.

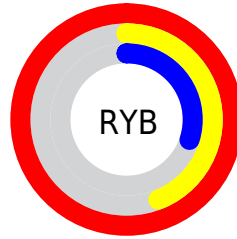
Distribution



Red (100%)

Green (42%)

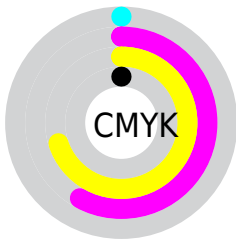
Blue (30%)



Red (100%)

Yellow (44%)

Blue (30%)

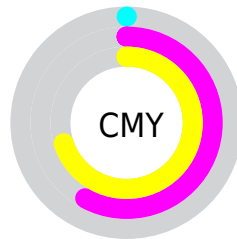


Cyan (0%)

Magenta (58%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3112, 0.5263, 0.3555 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 32.3112, 0.5263, 0.3555 by changing the saturation by 10% instead.


 32.3112, 0.5263,
0.3555


 32.3112, 0.5263,
0.3555


312.5344, 0.4153,
0.3520

 21.5993, 0.5532,
0.3524


 63.2986, 0.4861,
0.3571

 13.5628, 0.5864,
0.3460


 84.3430, 0.4708,
0.3568

 7.8172, 0.6274,
0.3335


 109.6002, 0.4579,
0.3562

 3.9782, 0.6861,
0.3139

 139.4548, 0.4469,
0.3554

 1.6614, 0.7346,
0.2654

 174.2912, 0.4374,
0.3546

 0.3985, 0.8370,
0.1630

214.4936, 0.4291,

 0.0000, 1.0000,

0.3537

0.0000

260.4466, 0.4218,
0.3529

■ 0.0000, 0.0000,
0.0000

■ 32.3112, 0.5263,
0.3555

■ 32.3112, 0.5263,
0.3555

■ 28.1275, 0.5678,
0.3537

■ 37.7235, 0.4831,
0.3545

■ 25.0686, 0.6021,
0.3487

■ 44.4460, 0.4424,
0.3515


■ 23.0165, 0.6251,
0.3416

■ 52.5598, 0.4065,
0.3473

■ 22.9826, 0.6255,
0.3415

■ 62.1376, 0.3759,
0.3426

■ 73.2470, 0.3505,
0.3378

 85.9514, 0.3296,
0.3332

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



32.3112, 0.4740, 0.2863



32.3112, 0.5263, 0.3555



32.3112, 0.5046, 0.4303

Triad

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



32.3112, 0.5263, 0.3555



32.3112, 0.2384, 0.4768



32.3112, 0.1815, 0.1729

Complementary

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



32.3112, 0.5263, 0.3555



62.6526, 0.2236, 0.2916

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.



32.3112, 0.1430, 0.1886



32.3112, 0.5263, 0.3555



32.3112, 0.1677, 0.3488

Square

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



32.3112, 0.5263, 0.3555



32.3112, 0.3354, 0.5370



32.3112, 0.1376, 0.2435



32.3112, 0.2569, 0.1870

Rectangle

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



32.3112, 0.5263, 0.3555



32.3112, 0.4598, 0.4805



32.3112, 0.1376, 0.2435



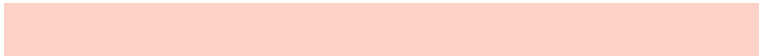
32.3112, 0.1648, 0.1746

Sweetspot

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



32.3130, 0.5263, 0.3555



71.8249, 0.3533, 0.3384



32.0247, 0.3504, 0.1951



14.6946, 0.3600, 0.3397



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.



32.3130, 0.5263, 0.3555



26.7108, 0.5835, 0.3519



61.1255, 0.4481, 0.4400



18.4814, 0.3290, 0.3331



12.1538, 0.6233, 0.3433



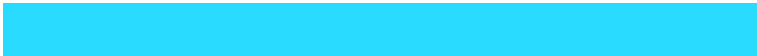
1.3151, 0.6040, 0.3586

Inverse Universe

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



62.6526, 0.2236, 0.2916



58.3044, 0.2148, 0.2829



26.5065, 0.1938, 0.1714



19.9298, 0.2980, 0.3249



28.5787, 0.2095, 0.2742



2.9144, 0.2114, 0.2811

Previews

White Background



This preview shows how the Yxy color 32.3112, 0.5263, 0.3555 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 32.3112, 0.5263, 0.3555 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 32.3112, 0.5263, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 32.3112, 0.5263, 0.3555.



This preview shows how white text looks on a background with the Yxy color 32.3112, 0.5263, 0.3555.

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

32.3112, 0.5263, 0.3555

Protanopia

32.3365, 0.3870, 0.4186

Deuteranopia

32.3735, 0.4370, 0.4287



Tritanopia

32.2864, 0.4916, 0.3239

Trichromacy



Original Color

32.3112, 0.5263, 0.3555

Protanomaly

30.8588, 0.4393, 0.3931

Deuteranomaly

31.2665, 0.4725, 0.3977

Tritanomaly

32.2450, 0.5054, 0.3360

Monochromacy



Original Color

32.3112, 0.5263, 0.3555

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7450, 0.3885, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3112, 0.5263, 0.3555 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, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 77)  
}
```

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, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 77) }
```

Border

The CSS property to change the border of an element to Yxy 32.3112, 0.5263, 0.3555 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, 107, 77) }
```

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

```
.border{ border-color:rgb(255, 107, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 107, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3112, 0.5263, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 77) }
```

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

```
.background{ background-color: rgb(255,  
107, 77) }
```

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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