

Converting Colors

$Y_{xy}(62.1630, 0.5605, 0.3523)$

Have a look what the booklet for
Yxy(62.1630, 0.5605, 0.3523)
contains.

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Color

Yxy(37.3542, 0.5005, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	FF8055
RGB	255, 128, 85
RGB Percent	100%, 50%, 33%
CMY	0.0000, 0.4980, 0.6666
CMYK	0.00, 0.50, 0.67, 0.00
HSL	15°, 100%, 67%
HSV	15°, 67%, 100%
XYZ	50.5975, 37.3542, 13.1422
YIQ	161.0710, 89.4950, 13.5510

Conversions

Conversions Part 2

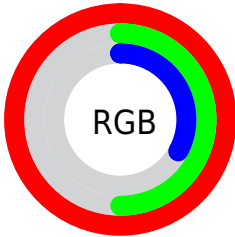
Format	Color
R _Y B	255, 143, 85
Decimal	16744533
CIE Lab	67.54, 45.13, 45.20
CIE LCh	68, 63.874, 45.040
Yxy	37.3542, 0.5005, 0.3695
Android (android.graphics.Color)	4294934613 (0xFFFF8055)
YUV	161.0710, -37.5030, 82.3757
Hunter-Lab	61.1181, 40.8172, 30.0335

Details

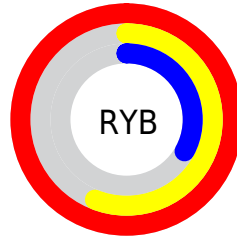
The Yxy color **37.3542, 0.5005, 0.3695** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **56.2404, 0.2216, 0.2748**, and the grayscale version is **35.8247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9045, 0.4161, 0.3781**, and **16.3722, 0.5516, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **32.5089, 0.5399, 0.3694**, and if you desaturate by 10%, it is **43.2824, 0.4613, 0.3662**.

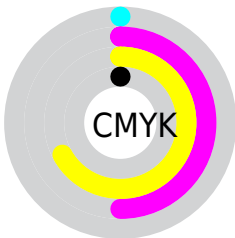
Distribution



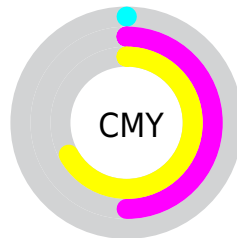
- Red (100%)
- Green (50%)
- Blue (33%)



- Red (100%)
- Yellow (56%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3542, 0.5005, 0.3695 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 37.3542, 0.5005, 0.3695 by changing the saturation by 10% instead.


 37.3542, 0.5005,
0.3695


 37.3542, 0.5005,
0.3695


334.8415, 0.4048,
0.3572


 25.4819, 0.5234,
0.3694


 71.1172, 0.4661,
0.3673

 16.4364, 0.5517,
0.3673


 93.7767, 0.4530,
0.3658

 9.8335, 0.5866,
0.3611


 120.8006, 0.4419,
0.3642

 5.2887, 0.6378,
0.3515

 152.5734, 0.4323,
0.3627

 2.4176, 0.6823,
0.3177

 189.4795, 0.4240,
0.3612

 0.8349, 0.7416,
0.2584

231.9033, 0.4168,

 0.0000, 1.0000,

0.3598

0.0000

280.2292, 0.4104,
0.3585

■ 0.0000, 0.0000,
0.0000

■ 37.3542, 0.5005,
0.3695

■ 37.3542, 0.5005,
0.3695

■ 32.5089, 0.5399,
0.3694

■ 43.2824, 0.4613,
0.3662

■ 28.6716, 0.5754,
0.3652

■ 50.3498, 0.4251,
0.3607

■ 25.7661, 0.6027,
0.3568

■ 58.6157, 0.3932,
0.3541

■ 24.9811, 0.6102,
0.3537

■ 68.1336, 0.3659,
0.3470

■ 78.9534, 0.3429,
0.3399

 91.1224, 0.3237,
0.3332

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



37.3542, 0.4654, 0.3047



37.3542, 0.5005, 0.3695



37.3542, 0.4746, 0.4366

Triad

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



37.3542, 0.5005, 0.3695



37.3542, 0.2354, 0.4354



37.3542, 0.2068, 0.1901

Complementary

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



37.3542, 0.5005, 0.3695



56.2404, 0.2216, 0.2748

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.



37.3542, 0.1652, 0.2000



37.3542, 0.5005, 0.3695



37.3542, 0.1773, 0.3278

Square

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



37.3542, 0.5005, 0.3695



37.3542, 0.3197, 0.5030



37.3542, 0.1549, 0.2436



37.3542, 0.2811, 0.2074

Rectangle

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



37.3542, 0.5005, 0.3695



37.3542, 0.4326, 0.4771



37.3542, 0.1549, 0.2436



37.3542, 0.1893, 0.1902

Sweetspot

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



37.3562, 0.5005, 0.3695



75.1933, 0.3501, 0.3422



32.5379, 0.3643, 0.2101



15.4416, 0.3566, 0.3442



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.



37.3562, 0.5005, 0.3695



31.1193, 0.5524, 0.3685



69.2519, 0.4314, 0.4489



18.7335, 0.3288, 0.3351



13.2532, 0.6074, 0.3559



1.4559, 0.5857, 0.3731

Inverse Universe

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



56.2404, 0.2216, 0.2748



50.8267, 0.2107, 0.2621



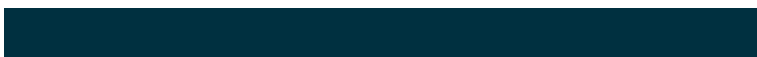
24.4641, 0.1942, 0.1613



19.6577, 0.2980, 0.3228



23.3811, 0.2013, 0.2447



2.4508, 0.2043, 0.2555

Previews

White Background



This preview shows how the Yxy color 37.3542, 0.5005, 0.3695 looks on a white background.

Color Contrast Check

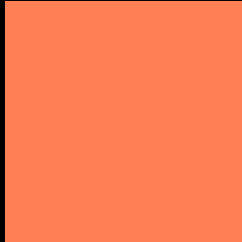
Large Text (above 18pt) WCAG AA × Fail

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 37.3542, 0.5005, 0.3695 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 37.3542, 0.5005, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 37.3542, 0.5005, 0.3695.



This preview shows how white text looks on a background with the Yxy color 37.3542, 0.5005, 0.3695.

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

37.3542, 0.5005, 0.3695

Protanopia

37.6159, 0.3887, 0.4211

Deuteranopia

37.3750, 0.4325, 0.4244



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.3542, 0.5005, 0.3695

Protanomaly

36.6567, 0.4298, 0.4018

Deuteranomaly

36.6814, 0.4592, 0.4021

Tritanomaly

37.1650, 0.4718, 0.3394

Monochromacy



Original Color

37.3542, 0.5005, 0.3695

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.7904, 0.3779, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3542, 0.5005, 0.3695 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, 128, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 85)  
}
```

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, 128, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 85) }
```

Border

The CSS property to change the border of an element to Yxy 37.3542, 0.5005, 0.3695 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, 128, 85) }
```

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

```
.border{ border-color:rgb(255, 128, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3542, 0.5005, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 85) }
```

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

```
.background{ background-color: rgb(255,  
128, 85) }
```

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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