

Converting Colors

$Y_{xy}(32.3648, 0.5327, 0.3617)$

Have a look what the booklet for
Yxy(32.3648, 0.5327, 0.3617)
contains.

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Color

Yxy(32.4273, 0.5320, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C46
RGB	255, 108, 70
RGB Percent	100%, 42%, 27%
CMY	0.0000, 0.5764, 0.7254
CMYK	0.00, 0.58, 0.73, 0.00
HSL	12°, 100%, 64%
HSV	12°, 73%, 100%
XYZ	47.7083, 32.4273, 9.5417
YIQ	147.6210, 99.8100, 19.3460

Conversions

Conversions Part 2

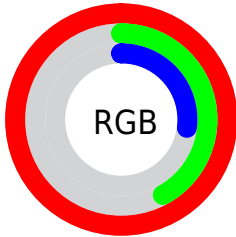
Format	Color
R _Y B	255, 118, 70
Decimal	16739398
CIE Lab	63.69, 53.85, 48.57
CIE LCh	64, 72.520, 42.047
Yxy	32.4273, 0.5320, 0.3616
Android (android.graphics.Color)	4294929478 (0xFFFF6C46)
YUV	147.6210, -38.2672, 94.1714
Hunter-Lab	56.9450, 49.8930, 29.9269

Details

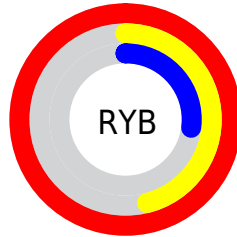
The Yxy color **32.4273, 0.5320, 0.3616** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **58.1524, 0.2193, 0.2810**, and the grayscale version is **29.5817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8105, 0.4417, 0.3735**, and **13.5903, 0.5918, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **28.3833, 0.5712, 0.3589**, and if you desaturate by 10%, it is **37.6047, 0.4902, 0.3609**.

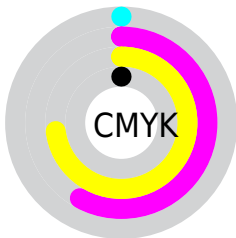
Distribution



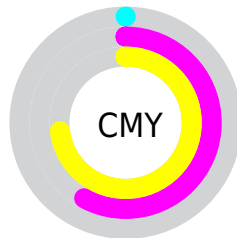
- Red (100%)
- Green (42%)
- Blue (27%)



- Red (100%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (58%)
- Yellow (73%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4273, 0.5320, 0.3616 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 32.4273, 0.5320, 0.3616 by changing the saturation by 10% instead.

 32.4273, 0.5320,
0.3616


 32.4273, 0.5320,
0.3616


313.0612, 0.4189,
0.3561


 21.6881, 0.5589,
0.3585


 63.4804, 0.4914,
0.3628


 13.6279, 0.5916,
0.3520


 84.5630, 0.4759,
0.3622


 7.8623, 0.6320,
0.3393


 109.8622, 0.4627,
0.3614

 4.0070, 0.6836,
0.3164

 139.7625, 0.4514,
0.3604

 1.6775, 0.7316,
0.2684

 174.6481, 0.4416,
0.3593

 0.4090, 0.8324,
0.1676

214.9035, 0.4331,

 0.0000, 1.0000,

0.3582

0.0000

260.9130, 0.4256,
0.3572

0.0000, 0.0000,
0.0000

32.4273, 0.5320,
0.3616

32.4273, 0.5320,
0.3616

28.3833, 0.5712,
0.3589

37.6047, 0.4902,
0.3609

25.3788, 0.6027,
0.3525


43.9884, 0.4500,
0.3576


23.7490, 0.6195,
0.3463

51.6517, 0.4139,
0.3527

60.6599, 0.3828,
0.3471

71.0741, 0.3565,
0.3413

 82.9515, 0.3348,
0.3356

 96.3460, 0.3168,
0.3303

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



32.4273, 0.4857, 0.2910



32.4273, 0.5320, 0.3616



32.4273, 0.5031, 0.4381

Triad

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



32.4273, 0.5320, 0.3616



32.4273, 0.2284, 0.4707



32.4273, 0.1841, 0.1702

Complementary

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



32.4273, 0.5320, 0.3616



58.1524, 0.2193, 0.2810

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.



32.4273, 0.1421, 0.1829



32.4273, 0.5320, 0.3616



32.4273, 0.1602, 0.3373

Square

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



32.4273, 0.5320, 0.3616



32.4273, 0.3258, 0.5416



32.4273, 0.1335, 0.2342



32.4273, 0.2642, 0.1869

Rectangle

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



32.4273, 0.5320, 0.3616



32.4273, 0.4546, 0.4892



32.4273, 0.1335, 0.2342



32.4273, 0.1661, 0.1709

Sweetspot

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



32.4291, 0.5320, 0.3616



71.6806, 0.3553, 0.3409



30.7044, 0.3593, 0.1967



14.7031, 0.3618, 0.3425



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.



32.4291, 0.5320, 0.3616



26.9213, 0.5865, 0.3565



62.7815, 0.4483, 0.4476



18.5912, 0.3289, 0.3340



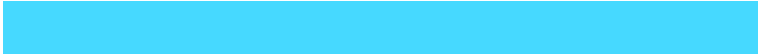
12.5782, 0.6170, 0.3483



1.3719, 0.5963, 0.3647

Inverse Universe

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



58.1524, 0.2193, 0.2810



53.3615, 0.2104, 0.2700



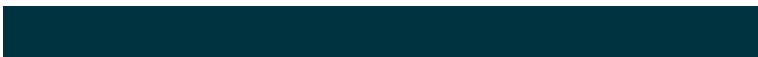
23.3199, 0.1878, 0.1566



19.8105, 0.2980, 0.3240



26.2199, 0.2060, 0.2615



2.7051, 0.2084, 0.2700

Previews

White Background



This preview shows how the Yxy color 32.4273, 0.5320, 0.3616 looks on a white background.

Color Contrast Check

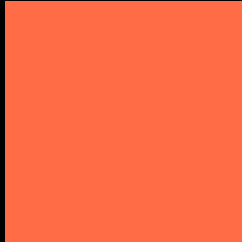
Large Text (above 18pt) WCAG AA × Fail

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 32.4273, 0.5320, 0.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

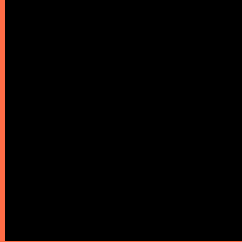
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4273, 0.5320, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 32.4273, 0.5320, 0.3616.



This preview shows how white text looks on a background with the Yxy color 32.4273, 0.5320, 0.3616.

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

32.4273, 0.5320, 0.3616

Protanopia

32.6446, 0.3944, 0.4301

Deuteranopia

32.4108, 0.4440, 0.4359



Tritanopia

32.5108, 0.4897, 0.3238

Trichromacy



Original Color

32.4273, 0.5320, 0.3616

Protanomaly

31.1737, 0.4463, 0.4018

Deuteranomaly

31.5923, 0.4792, 0.4055

Tritanomaly

32.4126, 0.5069, 0.3387

Monochromacy



Original Color

32.4273, 0.5320, 0.3616

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6959, 0.3908, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4273, 0.5320, 0.3616 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, 108, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 70)  
}
```

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, 108, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 70) }
```

Border

The CSS property to change the border of an element to Yxy 32.4273, 0.5320, 0.3616 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, 108, 70) }
```

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

```
.border{ border-color:rgb(255, 108, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4273, 0.5320, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 70) }
```

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

```
.background{ background-color: rgb(255,  
108, 70) }
```

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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