

Converting Colors

$Y_{xy}(47.2819, 0.5698, 0.3486)$

Have a look what the booklet for
Yxy(47.2819, 0.5698, 0.3486)
contains.

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Color

Yxy(32.0230, 0.5329, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A47
RGB	255, 106, 71
RGB Percent	100%, 42%, 28%
CMY	0.0000, 0.5843, 0.7214
CMYK	0.00, 0.58, 0.72, 0.00
HSL	11°, 100%, 64%
HSV	11°, 72%, 100%
XYZ	47.5350, 32.0230, 9.6426
YIQ	146.5610, 100.0390, 20.7030

Conversions

Conversions Part 2

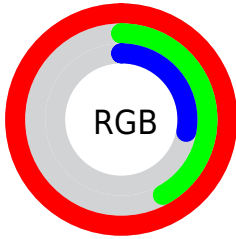
Format	Color
RYB	255, 114, 71
Decimal	16738887
CIELab	63.36, 54.81, 47.68
CIElCh	63, 72.645, 41.025
Yxy	32.0230, 0.5329, 0.3590
Android (android.graphics.Color)	4294928967 (0xFFFF6A47)
YUV	146.5610, -37.2516, 95.1010
Hunter-Lab	56.5889, 50.9105, 29.5094

Details

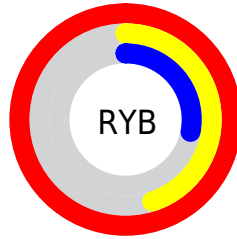
The Yxy color **32.0230, 0.5329, 0.3590** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **59.7667, 0.2205, 0.2850**, and the grayscale version is **29.1130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4811, 0.4415, 0.3715**, and **13.4194, 0.5932, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **28.0050, 0.5727, 0.3564**, and if you desaturate by 10%, it is **37.2033, 0.4905, 0.3584**.

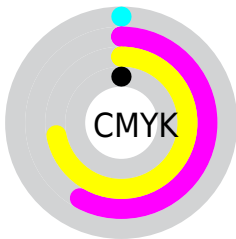
Distribution



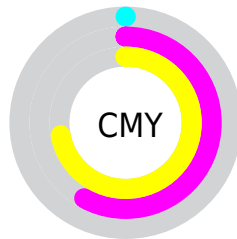
- Red (100%)
- Green (42%)
- Blue (28%)



- Red (100%)
- Yellow (45%)
- Blue (28%)



- Cyan (0%)
- Magenta (58%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0230, 0.5329, 0.3590 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 32.0230, 0.5329, 0.3590 by changing the saturation by 10% instead.


 32.0230, 0.5329,
0.3590


 32.0230, 0.5329,
0.3590


311.2240, 0.4190,
0.3548


 21.3791, 0.5601,
0.3557


 62.8471, 0.4919,
0.3606

 13.4014, 0.5934,
0.3488


 83.7961, 0.4762,
0.3602

 7.7055, 0.6344,
0.3356


 108.9490, 0.4630,
0.3595

 3.9071, 0.6876,
0.3124

 138.6900, 0.4516,
0.3586

 1.6217, 0.7366,
0.2634

 173.4036, 0.4418,
0.3577

 0.3722, 0.8437,
0.1563

213.4742, 0.4332,

 0.0000, 1.0000,

0.3567

0.0000

259.2862, 0.4257,
0.3557

0.0000, 0.0000,
0.0000

32.0230, 0.5329,
0.3590

32.0230, 0.5329,
0.3590

28.0050, 0.5727,
0.3564

37.2033, 0.4905,
0.3584

25.0558, 0.6046,
0.3504


43.6285, 0.4498,
0.3553

23.4120, 0.6221,
0.3442

51.3735, 0.4134,
0.3508

60.5072, 0.3820,
0.3455

71.0936, 0.3558,
0.3401

 83.1928, 0.3340,
0.3349

 96.8612, 0.3161,
0.3300

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.



32.0230, 0.4838, 0.2884



32.0230, 0.5329, 0.3590



32.0230, 0.5058, 0.4356

Triad

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



32.0230, 0.5329, 0.3590



32.0230, 0.2308, 0.4758



32.0230, 0.1814, 0.1694

Complementary

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



32.0230, 0.5329, 0.3590



59.7667, 0.2205, 0.2850

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.



32.0230, 0.1405, 0.1833



32.0230, 0.5329, 0.3590



32.0230, 0.1611, 0.3417

Square

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



32.0230, 0.5329, 0.3590



32.0230, 0.3292, 0.5434



32.0230, 0.1330, 0.2362



32.0230, 0.2605, 0.1853

Rectangle

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



32.0230, 0.5329, 0.3590



32.0230, 0.4579, 0.4873



32.0230, 0.1330, 0.2362



32.0230, 0.1638, 0.1704

Sweetspot

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



32.0230, 0.5329, 0.3590



71.2561, 0.3554, 0.3401



31.0059, 0.3554, 0.1948



14.6045, 0.3621, 0.3415



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.



32.0230, 0.5329, 0.3590



26.4454, 0.5895, 0.3539



61.5319, 0.4501, 0.4447



18.5455, 0.3290, 0.3336



12.3917, 0.6198, 0.3461



1.3474, 0.5996, 0.3621

Inverse Universe

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



59.7667, 0.2205, 0.2850



55.0522, 0.2117, 0.2746



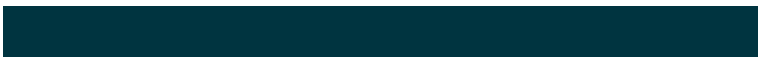
24.3381, 0.1894, 0.1615



19.8600, 0.2980, 0.3244



27.1828, 0.2075, 0.2668



2.7908, 0.2096, 0.2747

Previews

White Background



This preview shows how the Yxy color 32.0230, 0.5329, 0.3590 looks on a white background.

Color Contrast Check

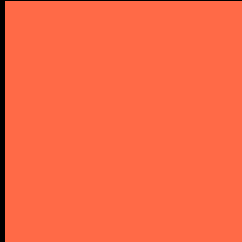
Large Text (above 18pt) WCAG AA × Fail

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 32.0230, 0.5329, 0.3590 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 32.0230, 0.5329, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 32.0230, 0.5329, 0.3590.



This preview shows how white text looks on a background with the Yxy color 32.0230, 0.5329, 0.3590.

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

32.0230, 0.5329, 0.3590

Protanopia

32.2343, 0.3923, 0.4267

Deuteranopia

31.9819, 0.4432, 0.4344



Tritanopia

32.0646, 0.4935, 0.3239

Trichromacy



Original Color

32.0230, 0.5329, 0.3590

Protanomaly

30.7648, 0.4452, 0.3999

Deuteranomaly

30.9104, 0.4796, 0.4028

Tritanomaly

31.9869, 0.5096, 0.3378

Monochromacy



Original Color

32.0230, 0.5329, 0.3590

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.2735, 0.3913, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0230, 0.5329, 0.3590 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, 106, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 71)  
}
```

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, 106, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 71) }
```

Border

The CSS property to change the border of an element to Yxy 32.0230, 0.5329, 0.3590 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, 106, 71) }
```

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

```
.border{ border-color:rgb(255, 106, 71) }
```

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

Here you see how a box with a 4 pixel rgb(255, 106, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0230, 0.5329, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 71) }
```

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

```
.background{ background-color: rgb(255,  
106, 71) }
```

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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