

Converting Colors

$Y_{xy}(30.8041, 0.5581, 0.3706)$

Have a look what the booklet for
Yxy(30.8041, 0.5581, 0.3706)
contains.

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Color

Yxy(30.7492, 0.5586, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	FF652C
RGB	255, 101, 44
RGB Percent	100%, 40%, 17%
CMY	0.0000, 0.6039, 0.8275
CMYK	0.00, 0.60, 0.83, 0.00
HSL	16°, 100%, 59%
HSV	16°, 83%, 100%
XYZ	46.3478, 30.7492, 5.8744
YIQ	140.5480, 110.0810, 14.9210

Conversions

Conversions Part 2

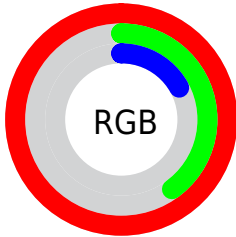
Format	Color
R _Y B	255, 122, 44
Decimal	16737580
CIE Lab	62.30, 56.07, 59.42
CIE LCh	62, 81.698, 46.661
Yxy	30.7492, 0.5586, 0.3706
Android (android.graphics.Color)	4294927660 (0xFFFF652C)
YUV	140.5480, -47.5982, 100.3744
Hunter-Lab	55.4520, 52.1528, 32.5354

Details

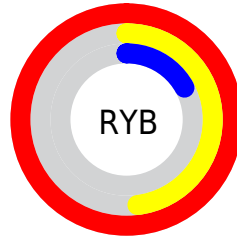
The Yxy color **30.7492, 0.5586, 0.3706** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **48.1340, 0.2076, 0.2544**, and the grayscale version is **26.6089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2002, 0.4676, 0.3902**, and **12.6749, 0.6129, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **27.4003, 0.5893, 0.3637**, and if you desaturate by 10%, it is **35.0373, 0.5217, 0.3730**.

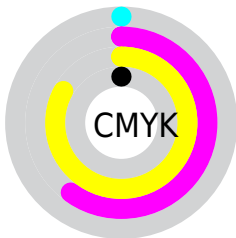
Distribution



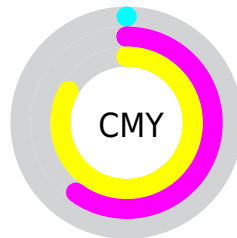
- Red (100%)
- Green (40%)
- Blue (17%)



- Red (100%)
- Yellow (48%)
- Blue (17%)



- Cyan (0%)
- Magenta (60%)
- Yellow (83%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7492, 0.5586, 0.3706 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 30.7492, 0.5586, 0.3706 by changing the saturation by 10% instead.


 30.7492, 0.5586,
0.3706


 30.7492, 0.5586,
0.3706


305.3812, 0.4344,
0.3655

 20.4079, 0.5861,
0.3655


 60.8450, 0.5153,
0.3734

 12.6919, 0.6182,
0.3554

 81.3683, 0.4983,
0.3730


 7.2168, 0.6603,
0.3397


 106.0545, 0.4837,
0.3721

 3.5980, 0.6956,
0.3044

 135.2878, 0.4711,
0.3709

 1.4513, 0.7472,
0.2528

 169.4528, 0.4601,
0.3696

 0.2541, 0.8803,
0.1197

 208.9337, 0.4504,

 0.0000, 1.0000,

0.3682

0.0000

254.1151, 0.4419,
0.3669

■ 0.0000, 0.0000,
0.0000

■ 30.7492, 0.5586,
0.3706

■ 30.7492, 0.5586,
0.3706

■ 27.4003, 0.5893,
0.3637

■ 35.0373, 0.5217,
0.3730

■ 25.5043, 0.6064,
0.3567

■ 40.3286, 0.4827,
0.3713

■ 46.6871, 0.4452,
0.3667

■ 54.1693, 0.4112,
0.3602

■ 62.8277, 0.3815,
0.3528

72.7112, 0.3562,
0.3452

83.8661, 0.3349,
0.3378

96.3359, 0.3171,
0.3308

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



30.7492, 0.5239, 0.2948



30.7492, 0.5586, 0.3706



30.7492, 0.5098, 0.4557

Triad

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



30.7492, 0.5586, 0.3706



30.7492, 0.2005, 0.4721



30.7492, 0.1801, 0.1549

Complementary

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



30.7492, 0.5586, 0.3706



48.1340, 0.2076, 0.2544

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.



30.7492, 0.1297, 0.1621



30.7492, 0.5586, 0.3706



30.7492, 0.1350, 0.3134

Square

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



30.7492, 0.5586, 0.3706



30.7492, 0.3039, 0.5717



30.7492, 0.1147, 0.2082



30.7492, 0.2745, 0.1775

Rectangle

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



30.7492, 0.5586, 0.3706



30.7492, 0.4494, 0.5150



30.7492, 0.1147, 0.2082



30.7492, 0.1588, 0.1538

Sweetspot

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



30.7510, 0.5586, 0.3706



70.3772, 0.3615, 0.3469



27.1714, 0.3856, 0.1999



14.3111, 0.3703, 0.3496



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.



30.7510, 0.5586, 0.3706



25.7426, 0.6042, 0.3576



65.4702, 0.4523, 0.4649



18.7855, 0.3288, 0.3355



13.5363, 0.6036, 0.3589



1.4896, 0.5817, 0.3764

Inverse Universe

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



48.1340, 0.2076, 0.2544



42.6848, 0.1995, 0.2379



15.6239, 0.1705, 0.1157



19.6023, 0.2980, 0.3224



22.4033, 0.1996, 0.2385



2.3624, 0.2028, 0.2501

Previews

White Background



This preview shows how the Yxy color 30.7492, 0.5586, 0.3706 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 30.7492, 0.5586, 0.3706 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 30.7492, 0.5586, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 30.7492, 0.5586, 0.3706.



This preview shows how white text looks on a background with the Yxy color 30.7492, 0.5586, 0.3706.

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

30.7492, 0.5586, 0.3706

Protanopia

30.7535, 0.4170, 0.4587

Deuteranopia

30.6712, 0.4649, 0.4562



Tritanopia

30.7687, 0.5061, 0.3250

Trichromacy



Original Color

30.7492, 0.5586, 0.3706

Protanomaly

29.3024, 0.4737, 0.4228

Deuteranomaly

29.8443, 0.5040, 0.4210

Tritanomaly

30.5894, 0.5298, 0.3441

Monochromacy



Original Color

30.7492, 0.5586, 0.3706

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.9074, 0.4057, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7492, 0.5586, 0.3706 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, 101, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 44)  
}
```

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, 101, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 44) }
```

Border

The CSS property to change the border of an element to Yxy 30.7492, 0.5586, 0.3706 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, 101, 44) }
```

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

```
.border{ border-color:rgb(255, 101, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 101, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7492, 0.5586, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 44) }
```

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

```
.background{ background-color: rgb(255,  
101, 44) }
```

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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