

Converting Colors

Yxy(39.4856, 0.5753, 0.3625)

Have a look what the booklet for
Yxy(39.4856, 0.5753, 0.3625)
contains.

Yxy(31.1500, 0.5560, 0.3719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.1500, 0.5560, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	FF672D
RGB	255, 103, 45
RGB Percent	100%, 40%, 18%
CMY	0.0000, 0.5961, 0.8236
CMYK	0.00, 0.60, 0.82, 0.00
HSL	17°, 100%, 59%
HSV	17°, 82%, 100%
XYZ	46.5700, 31.1500, 6.0390
YIQ	141.8360, 109.2100, 14.1860

Conversions

Conversions Part 2

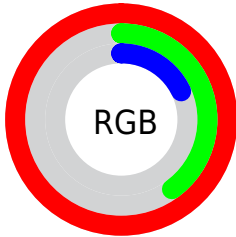
Format	Color
R _Y B	255, 125, 45
Decimal	16738093
CIE Lab	62.63, 55.24, 59.30
CIE LCh	63, 81.045, 47.033
Yxy	31.1500, 0.5560, 0.3719
Android (android.graphics.Color)	4294928173 (0xFFFF672D)
YUV	141.8360, -47.7401, 99.2448
Hunter-Lab	55.8122, 51.2702, 32.6532

Details

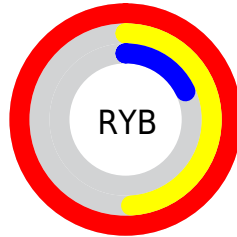
The Yxy color **31.1500, 0.5560, 0.3719** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **47.7089, 0.2073, 0.2530**, and the grayscale version is **27.1379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5582, 0.4660, 0.3904**, and **12.9011, 0.6097, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **27.7321, 0.5869, 0.3651**, and if you desaturate by 10%, it is **35.4917, 0.5191, 0.3741**.

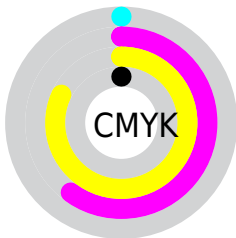
Distribution



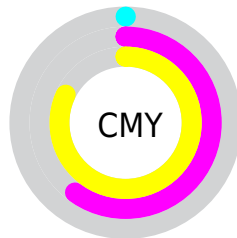
- Red (100%)
- Green (40%)
- Blue (18%)



- Red (100%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1500, 0.5560, 0.3719 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 31.1500, 0.5560, 0.3719 by changing the saturation by 10% instead.

 31.1500, 0.5560,
0.3719


 31.1500, 0.5560,
0.3719


307.2288, 0.4332,
0.3659


 20.7131, 0.5832,
0.3672


 61.4762, 0.5132,
0.3743


 12.9144, 0.6149,
0.3576

 82.1342, 0.4964,
0.3738


 7.3697, 0.6572,
0.3428


 106.9681, 0.4820,
0.3727

 3.6943, 0.6918,
0.3082

 136.3622, 0.4695,
0.3715

 1.5041, 0.7425,
0.2575

 170.7009, 0.4586,
0.3701

 0.2916, 0.8666,
0.1334

 210.3686, 0.4491,

 0.0000, 1.0000,

0.3687

0.0000

255.7498, 0.4407,
0.3672

■ 0.0000, 0.0000,
0.0000

■ 31.1500, 0.5560,
0.3719

■ 31.1500, 0.5560,
0.3719

■ 27.7321, 0.5869,
0.3651

■ 35.4917, 0.5191,
0.3741

■ 25.6939, 0.6051,
0.3578


■ 40.8321, 0.4805,
0.3722

■ 47.2292, 0.4433,
0.3673

■ 54.7384, 0.4097,
0.3606

■ 63.4108, 0.3803,
0.3530

 73.2942, 0.3552,
0.3452

 84.4339, 0.3341,
0.3377

 96.8726, 0.3164,
0.3306

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.



31.1500, 0.5225, 0.2964



31.1500, 0.5560, 0.3719



31.1500, 0.5074, 0.4564

Triad

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



31.1500, 0.5560, 0.3719



31.1500, 0.2008, 0.4682



31.1500, 0.1822, 0.1565

Complementary

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



31.1500, 0.5560, 0.3719



47.7089, 0.2073, 0.2530

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.



31.1500, 0.1316, 0.1634



31.1500, 0.5560, 0.3719



31.1500, 0.1362, 0.3122

Square

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



31.1500, 0.5560, 0.3719



31.1500, 0.3032, 0.5681



31.1500, 0.1163, 0.2087



31.1500, 0.2764, 0.1793

Rectangle

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



31.1500, 0.5560, 0.3719



31.1500, 0.4475, 0.5148



31.1500, 0.1163, 0.2087



31.1500, 0.1609, 0.1553

Sweetspot

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



31.1475, 0.5560, 0.3719



70.5632, 0.3614, 0.3473



27.2590, 0.3852, 0.2000



14.3547, 0.3701, 0.3500



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.



31.1475, 0.5560, 0.3719



25.9356, 0.6028, 0.3587



65.5904, 0.4519, 0.4647



18.8034, 0.3287, 0.3356



13.6386, 0.6022, 0.3600



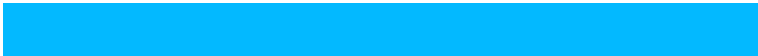
1.5016, 0.5802, 0.3775

Inverse Universe

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



47.7089, 0.2073, 0.2530



42.0506, 0.1989, 0.2357



15.7810, 0.1709, 0.1166



19.5832, 0.2980, 0.3223



22.0732, 0.1990, 0.2364



2.3325, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 31.1500, 0.5560, 0.3719 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 31.1500, 0.5560, 0.3719 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 31.1500, 0.5560, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 31.1500, 0.5560, 0.3719.



This preview shows how white text looks on a background with the Yxy color 31.1500, 0.5560, 0.3719.

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

31.1500, 0.5560, 0.3719

Protanopia

31.1970, 0.4165, 0.4582

Deuteranopia

31.1116, 0.4639, 0.4556



Tritanopia

31.1832, 0.5023, 0.3250

Trichromacy



Original Color

31.1500, 0.5560, 0.3719

Protanomaly

29.5866, 0.4718, 0.4232

Deuteranomaly

30.1180, 0.5018, 0.4211

Tritanomaly

30.9989, 0.5260, 0.3443

Monochromacy



Original Color

31.1500, 0.5560, 0.3719

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.5672, 0.4045, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1500, 0.5560, 0.3719 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, 103, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 45)  
}
```

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, 103, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 45) }
```

Border

The CSS property to change the border of an element to Yxy 31.1500, 0.5560, 0.3719 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, 103, 45) }
```

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

```
.border{ border-color:rgb(255, 103, 45) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1500, 0.5560, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 45) }
```

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

```
.background{ background-color: rgb(255,  
103, 45) }
```

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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