

Converting Colors

$Y_{xy}(31.3501, 0.4940, 0.3967)$

Have a look what the booklet for
Yxy(31.3501, 0.4940, 0.3967)
contains.

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Color

Yxy(31.2256, 0.4937, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	DF7F3F
RGB	223, 127, 63
RGB Percent	87%, 50%, 25%
CMY	0.1256, 0.5018, 0.7530
CMYK	0.00, 0.43, 0.72, 0.13
HSL	24°, 71%, 56%
HSV	24°, 72%, 87%
XYZ	38.9098, 31.2256, 8.6773
YIQ	148.4080, 77.7600, 0.4480

Conversions

Conversions Part 2

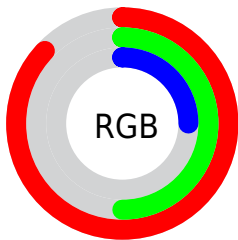
Format	Color
R _Y B	223, 170, 63
Decimal	14647103
CIE Lab	62.70, 32.05, 49.62
CIE LCh	63, 59.067, 57.144
Yxy	31.2256, 0.4937, 0.3962
Android (android.graphics.Color)	4292837183 (0xFFDF7F3F)
YUV	148.4080, -42.1061, 65.4172
Hunter-Lab	55.8799, 26.5020, 29.9091

Details

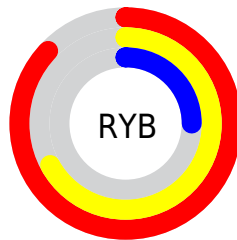
The Yxy color **31.2256, 0.4937, 0.3962** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **31.1533, 0.2083, 0.2338**, and the grayscale version is **29.9506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5227, 0.4351, 0.3973**, and **12.8722, 0.5437, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **27.7978, 0.5250, 0.3966**, and if you desaturate by 10%, it is **35.2160, 0.4613, 0.3913**.

Distribution



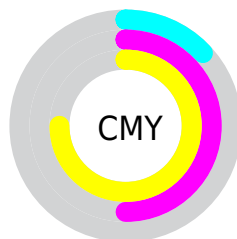
- Red (87%)
- Green (50%)
- Blue (25%)



- Red (87%)
- Yellow (67%)
- Blue (25%)



- Cyan (0%)
- Magenta (43%)
- Yellow (72%)
- Black (13%)





- Cyan (13%)
- Magenta (50%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2256, 0.4937, 0.3962 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 31.2256, 0.4937, 0.3962 by changing the saturation by 10% instead.


 31.2256, 0.4937,
0.3962

 31.2256, 0.4937,
0.3962


307.5763, 0.4002,
0.3700


 20.7707, 0.5160,
0.3988


 61.5951, 0.4600,
0.3893


 12.9565, 0.5430,
0.3994


 82.2785, 0.4472,
0.3858


 7.3986, 0.5777,
0.3969


 107.1401, 0.4363,
0.3826

 3.7126, 0.6169,
0.3831

 136.5644, 0.4270,
0.3796

 1.5141, 0.6548,
0.3452

 170.9358, 0.4189,
0.3768

 0.2986, 0.7844,
0.2156

210.6387, 0.4119,

 0.0000, 1.0000,

0.3743

0.0000

256.0574, 0.4057,
0.3721

■ 0.0000, 0.0000,
0.0000

■ 31.2256, 0.4937,
0.3962

■ 31.2256, 0.4937,
0.3962

■ 27.7978, 0.5250,
0.3966

■ 35.2160, 0.4613,
0.3913

■ 24.8967, 0.5525,
0.3917


■ 39.7918, 0.4298,
0.3833


■ 22.8694, 0.5716,
0.3843


■ 44.9803, 0.4008,
0.3733


■ 50.8052, 0.3748,
0.3625

■ 57.2889, 0.3520,
0.3515

 64.4525, 0.3323,
0.3408

 72.3162, 0.3154,
0.3307

 80.8992, 0.3009,
0.3213

 89.6497, 0.2933,
0.3212

Harmonies

Analogous

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



31.2256, 0.4841, 0.3306



31.2256, 0.4937, 0.3962



31.2256, 0.4491, 0.4604

Triad

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



31.2256, 0.4937, 0.3962



31.2256, 0.2097, 0.3913



31.2256, 0.2343, 0.1960

Complementary

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



31.2256, 0.4937, 0.3962



31.1533, 0.2083, 0.2338

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.



31.2256, 0.1801, 0.1945



31.2256, 0.4937, 0.3962



31.2256, 0.1663, 0.2900

Square

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



31.2256, 0.4937, 0.3962



31.2256, 0.2848, 0.4815



31.2256, 0.1576, 0.2233



31.2256, 0.3189, 0.2228

Rectangle

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



31.2256, 0.4937, 0.3962



31.2256, 0.4001, 0.4930



31.2256, 0.1576, 0.2233



31.2256, 0.2126, 0.1925

Sweetspot

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



31.2272, 0.4937, 0.3962



77.2805, 0.3529, 0.3520



21.7386, 0.4041, 0.2285



16.0101, 0.3588, 0.3550



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.



31.2272, 0.4937, 0.3962



35.6724, 0.5391, 0.3949



60.6510, 0.4194, 0.4744



14.5965, 0.3282, 0.3384



13.6590, 0.5690, 0.3864



1.1186, 0.5408, 0.4088

Inverse Universe

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



31.1533, 0.2083, 0.2338



35.3055, 0.1946, 0.2106



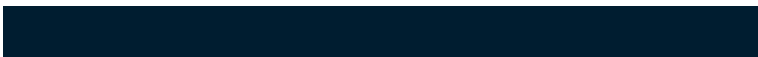
11.9724, 0.1793, 0.1182



14.6036, 0.2981, 0.3194



13.3414, 0.1869, 0.1927



1.0986, 0.1933, 0.2159

Previews

White Background



This preview shows how the Yxy color 31.2256, 0.4937, 0.3962 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 31.2256, 0.4937, 0.3962 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 31.2256, 0.4937, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 31.2256, 0.4937, 0.3962.



This preview shows how white text looks on a background with the Yxy color 31.2256, 0.4937, 0.3962.

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

31.2256, 0.4937, 0.3962

Protanopia

31.3464, 0.4071, 0.4442

Deuteranopia

31.3751, 0.4450, 0.4380



Tritanopia

31.3223, 0.4322, 0.3201

Trichromacy



Original Color

31.2256, 0.4937, 0.3962

Protanomaly

30.8811, 0.4394, 0.4260

Deuteranomaly

30.9207, 0.4633, 0.4215

Tritanomaly

31.3341, 0.4587, 0.3510

Monochromacy



Original Color

31.2256, 0.4937, 0.3962

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1545, 0.3770, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2256, 0.4937, 0.3962 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(223, 127, 63)` looks like.

```
.text, #text, p{  
    color:rgb(223, 127, 63)  
}
```

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(223, 127, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 127, 63) }
```

Border

The CSS property to change the border of an element to Yxy 31.2256, 0.4937, 0.3962 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(223, 127, 63) }
```

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

```
.border{ border-color:rgb(223, 127, 63) }
```

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

Here you see how a box with a 4 pixel rgb(223, 127, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 127, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 127, 63);  
box-shadow:4px 4px 4px 4px rgb(223, 127,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2256, 0.4937, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 127, 63) }
```

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

```
.background{ background-color: rgb(223,  
127, 63) }
```

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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