

# Converting Colors

$Y_{xy}(30.6318, 0.4936, 0.3961)$

Have a look what the booklet for  
Yxy(30.6318, 0.4936, 0.3961)  
contains.

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# Color

**Yxy(30.6417, 0.4938, 0.3966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD7E3E
RGB	221, 126, 62
RGB Percent	87%, 49%, 24%
CMY	0.1333, 0.5059, 0.7567
CMYK	0.00, 0.43, 0.72, 0.13
HSL	24°, 70%, 56%
HSV	24°, 72%, 87%
XYZ	38.1515, 30.6417, 8.4678
YIQ	147.1090, 77.1640, 0.2360

# Conversions

## Conversions Part 2

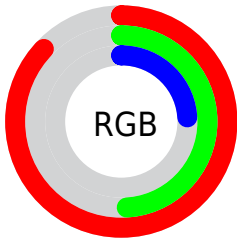
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	221, 169, 62
Decimal	14515774
CIELab	62.20, 31.74, 49.47
CIElCh	62, 58.776, 57.309
Yxy	30.6417, 0.4938, 0.3966
Android (android.graphics.Color)	4292705854 (0xFFDD7E3E)
YUV	147.1090, -41.9587, 64.8024
Hunter-Lab	55.3549, 26.1537, 29.6787

# Details

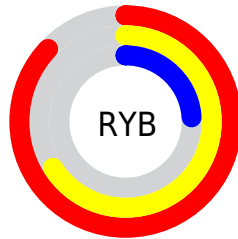
The Yxy color **30.6417, 0.4938, 0.3966** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.3781, 0.2080, 0.2331**, and the grayscale version is **29.3808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0948, 0.4365, 0.3972**, and **12.6622, 0.5422, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **27.2898, 0.5249, 0.3970**, and if you desaturate by 10%, it is **34.5415, 0.4615, 0.3918**.

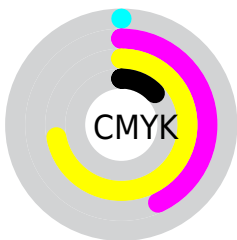
# Distribution



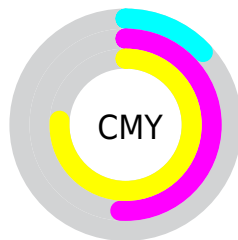
- Red (87%)
- Green (49%)
- Blue (24%)



- Red (87%)
- Yellow (66%)
- Blue (24%)



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




- Cyan (13%)
- Magenta (51%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6417, 0.4938, 0.3966 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 30.6417, 0.4938, 0.3966 by changing the saturation by 10% instead.





 30.6417, 0.4938,  
0.3966


 30.6417, 0.4938,  
0.3966


304.8842, 0.4000,  
0.3701

 20.3262, 0.5162,  
0.3993


 60.6755, 0.4600,  
0.3896


 12.6324, 0.5434,  
0.3999


 81.1626, 0.4471,  
0.3861

 7.1759, 0.5789,  
0.3976


 105.8090, 0.4362,  
0.3828

 3.5723, 0.6173,  
0.3827

 134.9990, 0.4268,  
0.3798

 1.4373, 0.6559,  
0.3441

 169.1172, 0.4187,  
0.3770

 0.2440, 0.8066,  
0.1934

 208.5479, 0.4117,

 0.0000, 0.0000,

0.3745

0.0000

253.6754, 0.4055,  
0.3722

■ 30.6417, 0.4938,  
0.3966

■ 30.6417, 0.4938,  
0.3966

■ 27.2898, 0.5249,  
0.3970

■ 34.5415, 0.4615,  
0.3918

■ 24.4508, 0.5523,  
0.3921

■ 39.0115, 0.4301,  
0.3837

■ 22.5038, 0.5710,  
0.3849


■ 44.0780, 0.4011,  
0.3737

■ 49.7643, 0.3751,  
0.3628

■ 56.0920, 0.3523,  
0.3518

 63.0818, 0.3326,  
0.3411

 70.7532, 0.3157,  
0.3309

 79.1250, 0.3012,  
0.3214

 87.8257, 0.2920,  
0.3186

# Harmonies

## Analogous

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



30.6417, 0.4846, 0.3309



30.6417, 0.4938, 0.3966



30.6417, 0.4489, 0.4608

# Triad

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



30.6417, 0.4938, 0.3966



30.6417, 0.2092, 0.3908



30.6417, 0.2346, 0.1959

# Complementary

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



30.6417, 0.4938, 0.3966



30.3781, 0.2080, 0.2331

# 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.



30.6417, 0.1801, 0.1943



30.6417, 0.4938, 0.3966



30.6417, 0.1660, 0.2894

# Square

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



30.6417, 0.4938, 0.3966



30.6417, 0.2843, 0.4814



30.6417, 0.1574, 0.2229



30.6417, 0.3195, 0.2229



# Rectangle

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



30.6417, 0.4938, 0.3966



30.6417, 0.3997, 0.4934



30.6417, 0.1574, 0.2229



30.6417, 0.2128, 0.1924

# Sweetspot

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



30.6433, 0.4938, 0.3966



77.3406, 0.3529, 0.3521



21.2723, 0.4044, 0.2284



16.0242, 0.3588, 0.3551



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.



30.6433, 0.4938, 0.3966



35.7835, 0.5386, 0.3953



59.4362, 0.4195, 0.4745



13.9071, 0.3282, 0.3385



13.2807, 0.5682, 0.3870



1.0264, 0.5385, 0.4106



# Inverse Universe

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



30.3781, 0.2080, 0.2331



35.1427, 0.1945, 0.2100



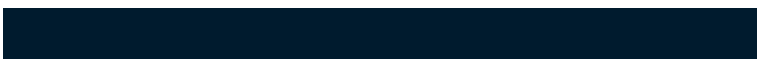
11.6873, 0.1791, 0.1178



13.9049, 0.2982, 0.3194



12.8602, 0.1867, 0.1922



1.0003, 0.1936, 0.2168



# Previews

## White Background



This preview shows how the Yxy color 30.6417, 0.4938, 0.3966 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 30.6417, 0.4938, 0.3966 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 30.6417, 0.4938, 0.3966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.6417, 0.4938, 0.3966.



This preview shows how white text looks on a background with the Yxy color 30.6417, 0.4938, 0.3966.

# 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

30.6417, 0.4938, 0.3966

### Protanopia

30.7909, 0.4065, 0.4452

### Deuteranopia

30.6317, 0.4467, 0.4372



## Tritanopia

30.7335, 0.4319, 0.3200

# Trichromacy



**Original Color**

30.6417, 0.4938, 0.3966

**Protanomaly**

30.3160, 0.4391, 0.4269

**Deuteranomaly**

30.4864, 0.4641, 0.4217

**Tritanomaly**

30.7456, 0.4586, 0.3512

# Monochromacy



**Original Color**

30.6417, 0.4938, 0.3966

**Achromatopsia**

29.1771, 0.3127, 0.3290

**Achromatomaly**

28.7249, 0.3774, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.6417, 0.4938, 0.3966 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(221, 126, 62)` looks like.

```
.text, #text, p{  
    color:rgb(221, 126, 62)  
}
```

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(221, 126, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 126, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 30.6417, 0.4938, 0.3966 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(221, 126, 62) }
```

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

```
.border{ border-color:rgb(221, 126, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 126, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 126, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 126, 62);  
box-shadow:4px 4px 4px 4px rgb(221, 126,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.6417, 0.4938, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 126, 62) }
```

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

```
.background{ background-color: rgb(221,  
126, 62) }
```

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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