

Converting Colors

$Y_{xy}(30.8248, 0.4773, 0.3753)$

Have a look what the booklet for
Yxy(30.8248, 0.4773, 0.3753)
contains.

Yxy(30.9797, 0.4773, 0.3760)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9797, 0.4773, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	DF7D53
RGB	223, 125, 83
RGB Percent	87%, 49%, 33%
CMY	0.1255, 0.5098, 0.6746
CMYK	0.00, 0.44, 0.63, 0.13
HSL	18°, 69%, 60%
HSV	18°, 63%, 87%
XYZ	39.3261, 30.9797, 12.0870
YIQ	149.5140, 71.8900, 7.7140

Conversions

Conversions Part 2

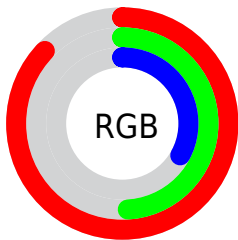
Format	Color
R _Y B	223, 143, 83
Decimal	14646611
CIE Lab	62.49, 34.26, 39.21
CIE LCh	62, 52.065, 48.855
Yxy	30.9797, 0.4773, 0.3760
Android (android.graphics.Color)	4292836691 (0xFFDF7D53)
YUV	149.5140, -32.7914, 64.4472
Hunter-Lab	55.6594, 28.7150, 26.0861

Details

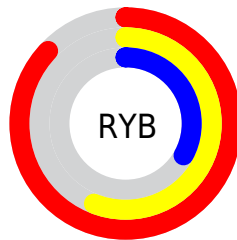
The Yxy color **30.9797, 0.4773, 0.3760** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **40.2047, 0.2236, 0.2691**, and the grayscale version is **30.4017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2214, 0.4199, 0.3760**, and **12.8115, 0.5274, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **27.0443, 0.5146, 0.3784**, and if you desaturate by 10%, it is **35.6500, 0.4414, 0.3706**.

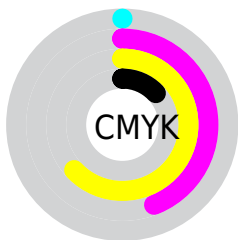
Distribution



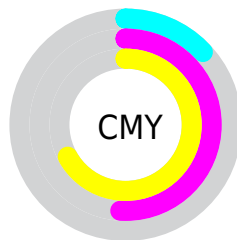
- Red (87%)
- Green (49%)
- Blue (33%)



- Red (87%)
- Yellow (56%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (63%)
- Black (13%)





- Cyan (13%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9797, 0.4773, 0.3760 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 30.9797, 0.4773, 0.3760 by changing the saturation by 10% instead.


 30.9797, 0.4773,
0.3760


 30.9797, 0.4773,
0.3760


306.4448, 0.3903,
0.3576

 20.5834, 0.4994,
0.3780


 61.2081, 0.4451,
0.3711


 12.8198, 0.5273,
0.3786

 81.8090, 0.4332,
0.3686


 7.3046, 0.5630,
0.3757

 106.5802, 0.4231,
0.3664

 3.6533, 0.6254,
0.3746

 135.9061, 0.4146,
0.3643

 1.4816, 0.6654,
0.3346

 170.1711, 0.4072,
0.3624

 0.2757, 0.8032,
0.1968

209.7597, 0.4008,

 0.0000, 1.0000,

0.3607

0.0000

255.0561, 0.3953,
0.3591

0.0000, 0.0000,
0.0000

30.9797, 0.4773,
0.3760

30.9797, 0.4773,
0.3760

27.0443, 0.5146,
0.3784

35.6500, 0.4414,
0.3706

23.7990, 0.5502,
0.3766

41.0869, 0.4088,
0.3633

21.2009, 0.5805,
0.3700

47.3261, 0.3801,
0.3552

19.6939, 0.5982,
0.3632

54.3995, 0.3555,
0.3468

62.3370, 0.3347,
0.3387

■ 71.1672, 0.3171,
0.3310

■ 80.9172, 0.3023,
0.3239

■ 91.1950, 0.2933,
0.3238

■ 94.4281, 0.2935,
0.3289

Harmonies

Analogous

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



30.9797, 0.4522, 0.3164



30.9797, 0.4773, 0.3760



30.9797, 0.4511, 0.4347

Triad

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



30.9797, 0.4773, 0.3760



30.9797, 0.2379, 0.4090



30.9797, 0.2261, 0.2056

Complementary

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



30.9797, 0.4773, 0.3760



40.2047, 0.2236, 0.2691

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.



30.9797, 0.1842, 0.2121



30.9797, 0.4773, 0.3760



30.9797, 0.1888, 0.3184

Square

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



30.9797, 0.4773, 0.3760



30.9797, 0.3112, 0.4738



30.9797, 0.1714, 0.2484



30.9797, 0.2959, 0.2240

Rectangle

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



30.9797, 0.4773, 0.3760



30.9797, 0.4126, 0.4665



30.9797, 0.1714, 0.2484



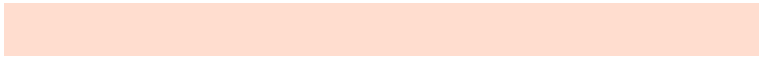
30.9797, 0.2089, 0.2048

Sweetspot

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



30.9813, 0.4773, 0.3760



77.5041, 0.3475, 0.3438



25.2081, 0.3690, 0.2222



15.9461, 0.3538, 0.3462



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.



30.9813, 0.4773, 0.3760



35.3384, 0.5248, 0.3783



55.3414, 0.4188, 0.4499



14.3678, 0.3285, 0.3361



11.7530, 0.5955, 0.3653



0.9682, 0.5651, 0.3895

Inverse Universe

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



40.2047, 0.2236, 0.2691



48.5074, 0.2112, 0.2545



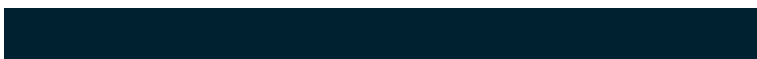
18.5321, 0.1992, 0.1636



14.8414, 0.2982, 0.3218



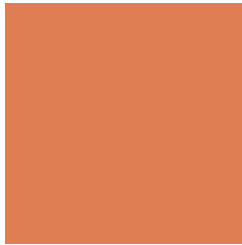
17.3339, 0.1968, 0.2285



1.3560, 0.2016, 0.2458

Previews

White Background



This preview shows how the Yxy color 30.9797, 0.4773, 0.3760 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 30.9797, 0.4773, 0.3760 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 30.9797, 0.4773, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 30.9797, 0.4773, 0.3760.



This preview shows how white text looks on a background with the Yxy color 30.9797, 0.4773, 0.3760.

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

30.9797, 0.4773, 0.3760

Protanopia

31.3538, 0.3849, 0.4171

Deuteranopia

30.9501, 0.4258, 0.4166



Tritanopia

30.9209, 0.4317, 0.3189

Trichromacy



Original Color

30.9797, 0.4773, 0.3760

Protanomaly

30.6321, 0.4191, 0.4016

Deuteranomaly

30.6126, 0.4451, 0.4014

Tritanomaly

30.8521, 0.4495, 0.3398

Monochromacy



Original Color

30.9797, 0.4773, 0.3760

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9032, 0.3689, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9797, 0.4773, 0.3760 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, 125, 83)` looks like.

```
.text, #text, p{  
    color:rgb(223, 125, 83)  
}
```

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, 125, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 125, 83) }
```

Border

The CSS property to change the border of an element to Yxy 30.9797, 0.4773, 0.3760 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, 125, 83) }
```

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

```
.border{ border-color:rgb(223, 125, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 125, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 125, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 125, 83);  
box-shadow:4px 4px 4px 4px rgb(223, 125,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9797, 0.4773, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 125, 83) }
```

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

```
.background{ background-color: rgb(223,  
125, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor