

Converting Colors

$Y_{xy}(28.1119, 0.4981, 0.3861)$

Have a look what the booklet for
Yxy(28.1119, 0.4981, 0.3861)
contains.

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Color

Yxy(27.9982, 0.4990, 0.3859)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DA7540 |
| RGB | 218, 117, 64 |
| RGB Percent | 85%, 46%, 25% |
| CMY | 0.1450, 0.5412, 0.7489 |
| CMYK | 0.00, 0.46, 0.71, 0.15 |
| HSL | 21°, 68%, 55% |
| HSV | 21°, 71%, 85% |
| XYZ | 36.2039, 27.9982, 8.3508 |
| YIQ | 141.1570, 77.2090, 4.9290 |

Conversions

Conversions Part 2

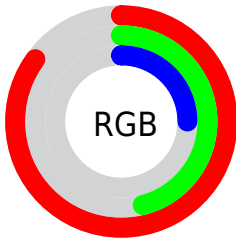
| Format | Color |
|-------------------------------------|---|
| RYB | 218, 145, 64 |
| Decimal | 14316864 |
| CIELab | 59.89, 35.35, 45.87 |
| CIELCh | 60, 57.905, 52.381 |
| Yxy | 27.9982, 0.4990, 0.3859 |
| Android (android.graphics.Color) | 4292506944 (0xFFDA7540) |
| YUV | 141.1570, -38.0384, 67.3913 |
| Hunter-Lab | 52.9133, 29.5336, 27.6821 |

Details

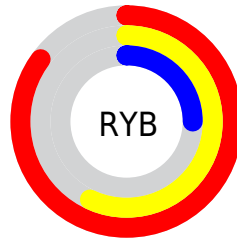
The Yxy color **27.9982, 0.4990, 0.3859** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **33.0812, 0.2130, 0.2496**, and the grayscale version is **26.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2244, 0.4423, 0.3863**, and **11.0990, 0.5536, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **24.7160, 0.5333, 0.3858**, and if you desaturate by 10%, it is **31.8896, 0.4639, 0.3818**.

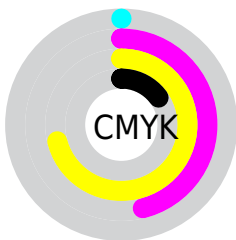
Distribution



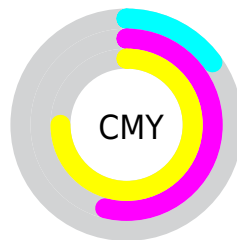
- Red (85%)
- Green (46%)
- Blue (25%)



- Red (85%)
- Yellow (57%)
- Blue (25%)



- Cyan (0%)
- Magenta (46%)
- Yellow (71%)
- Black (15%)



- Cyan (15%)
- Magenta (54%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9982, 0.4990, 0.3859 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 27.9982, 0.4990, 0.3859 by changing the saturation by 10% instead.


 27.9982, 0.4990,
0.3859


 27.9982, 0.4990,
0.3859


292.4583, 0.4005,
0.3646


 18.3243, 0.5233,
0.3873


 56.4816, 0.4629,
0.3807


 11.1831, 0.5534,
0.3861


 76.0598, 0.4493,
0.3779


 6.1901, 0.5940,
0.3816

 99.7083, 0.4379,
0.3753

 2.9610, 0.6380,
0.3620

 127.8115, 0.4281,
0.3728

 1.1114, 0.6845,
0.3155

 160.7536, 0.4198,
0.3704

 0.0000, 1.0000,
0.0000

198.9193, 0.4125,

 0.0000, 0.0000,

0.3683

0.0000

242.6927, 0.4061,
0.3664

■ 27.9982, 0.4990,
0.3859

■ 27.9982, 0.4990,
0.3859

■ 24.7160, 0.5333,
0.3858

■ 31.8896, 0.4639,
0.3818

■ 22.0034, 0.5636,
0.3808

■ 36.4173, 0.4305,
0.3749

■ 19.9383, 0.5868,
0.3722

■ 41.6121, 0.4001,
0.3662

■ 47.5011, 0.3733,
0.3568

■ 54.1099, 0.3502,
0.3473

■ 61.4626, 0.3304,
0.3382

■ 69.5822, 0.3137,
0.3295

■ 78.4908, 0.2995,
0.3215

■ 87.8671, 0.2902,
0.3194

Harmonies

Analogous

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



27.9982, 0.4795, 0.3201



27.9982, 0.4990, 0.3859



27.9982, 0.4607, 0.4522

Triad

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



27.9982, 0.4990, 0.3859



27.9982, 0.2183, 0.4097



27.9982, 0.2222, 0.1922

Complementary

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



27.9982, 0.4990, 0.3859



33.0812, 0.2130, 0.2496

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.



27.9982, 0.1726, 0.1950



27.9982, 0.4990, 0.3859



27.9982, 0.1688, 0.3037

Square

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



27.9982, 0.4990, 0.3859



27.9982, 0.2980, 0.4932



27.9982, 0.1548, 0.2295



27.9982, 0.3037, 0.2155

Rectangle

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



27.9982, 0.4990, 0.3859



27.9982, 0.4137, 0.4889



27.9982, 0.1548, 0.2295



27.9982, 0.2020, 0.1900

Sweetspot

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



27.9997, 0.4990, 0.3859



76.6162, 0.3514, 0.3479



21.3562, 0.3863, 0.2188



15.8181, 0.3575, 0.3505



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.



27.9997, 0.4990, 0.3859



33.1685, 0.5495, 0.3839



53.1310, 0.4262, 0.4643



13.7802, 0.3283, 0.3371



12.1245, 0.5842, 0.3744



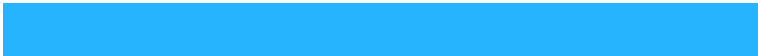
0.9429, 0.5526, 0.3994

Inverse Universe

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



33.0812, 0.2130, 0.2496



40.4591, 0.2001, 0.2295



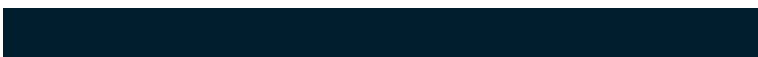
13.4146, 0.1844, 0.1344



14.0361, 0.2982, 0.3208



15.0122, 0.1925, 0.2129



1.1307, 0.1984, 0.2340

Previews

White Background



This preview shows how the Yxy color 27.9982, 0.4990, 0.3859 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9982, 0.4990, 0.3859 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9982, 0.4990, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 27.9982, 0.4990, 0.3859.



This preview shows how white text looks on a background with the Yxy color 27.9982, 0.4990, 0.3859.

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

27.9982, 0.4990, 0.3859

Protanopia

28.2054, 0.4009, 0.4379

Deuteranopia

28.1960, 0.4418, 0.4340



Tritanopia

28.0729, 0.4426, 0.3200

Trichromacy



Original Color

27.9982, 0.4990, 0.3859

Protanomaly

27.5939, 0.4366, 0.4180

Deuteranomaly

27.7715, 0.4639, 0.4146

Tritanomaly

27.9268, 0.4662, 0.3456

Monochromacy



Original Color

27.9982, 0.4990, 0.3859

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.1298, 0.3783, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9982, 0.4990, 0.3859 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(218, 117, 64)` looks like.

```
.text, #text, p{  
    color:rgb(218, 117, 64)  
}
```

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(218, 117, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 117, 64) }
```

Border

The CSS property to change the border of an element to Yxy 27.9982, 0.4990, 0.3859 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(218, 117, 64) }
```

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

```
.border{ border-color:rgb(218, 117, 64) }
```

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

Here you see how a box with a 4 pixel rgb(218, 117, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 117, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 117, 64);  
box-shadow:4px 4px 4px 4px rgb(218, 117,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9982, 0.4990, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 117, 64) }
```

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

```
.background{ background-color: rgb(218,  
117, 64) }
```

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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