

Converting Colors

$Y_{xy}(27.9198, 0.5251, 0.3970)$

Have a look what the booklet for
Yxy(27.9198, 0.5251, 0.3970)
contains.

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Color

Yxy(27.8758, 0.5250, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	DF7228
RGB	223, 114, 40
RGB Percent	87%, 45%, 16%
CMY	0.1254, 0.5530, 0.8429
CMYK	0.00, 0.49, 0.82, 0.13
HSL	24°, 74%, 52%
HSV	24°, 82%, 87%
XYZ	36.8356, 27.8758, 5.4517
YIQ	138.1550, 88.7180, 0.0940

Conversions

Conversions Part 2

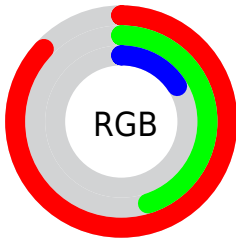
Format	Color
R _Y B	223, 164, 40
Decimal	14643752
CIE Lab	59.78, 37.92, 56.93
CIE LCh	60, 68.406, 56.336
Yxy	27.8758, 0.5250, 0.3973
Android (android.graphics.Color)	4292833832 (0xFFDF7228)
YUV	138.1550, -48.3904, 74.4091
Hunter-Lab	52.7975, 32.1397, 30.8362

Details

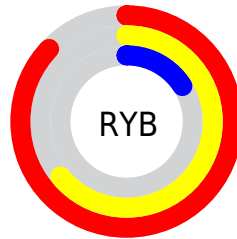
The Yxy color **27.8758, 0.5250, 0.3973** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.2998, 0.1980, 0.2166**, and the grayscale version is **25.6437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6701, 0.4619, 0.4026**, and **11.1321, 0.5703, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **24.9835, 0.5522, 0.3923**, and if you desaturate by 10%, it is **31.2942, 0.4940, 0.3970**.

Distribution



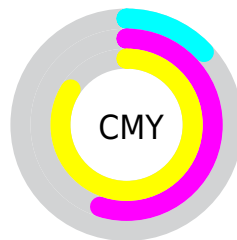
- Red (87%)
- Green (45%)
- Blue (16%)



- Red (87%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (49%)
- Yellow (82%)
- Black (13%)





- Cyan (13%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8758, 0.5250, 0.3973 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 27.8758, 0.5250, 0.3973 by changing the saturation by 10% instead.


 27.8758, 0.5250,
0.3973


 27.8758, 0.5250,
0.3973


291.8730, 0.4159,
0.3747


 18.2321, 0.5497,
0.3969


 56.2861, 0.4864,
0.3932

 11.1167, 0.5788,
0.3924


 75.8214, 0.4714,
0.3903


 6.1454, 0.6169,
0.3831

 99.4227, 0.4586,
0.3874

 2.9337, 0.6477,
0.3523

 127.4745, 0.4476,
0.3845

 1.0972, 0.6964,
0.3036

 160.3609, 0.4381,
0.3818

 0.0000, 1.0000,
0.0000

 198.4666, 0.4297,

 0.0000, 0.0000,

0.3792

0.0000

242.1758, 0.4224,
0.3769

■ 27.8758, 0.5250,
0.3973

■ 27.8758, 0.5250,
0.3973

■ 24.9835, 0.5522,
0.3923

■ 31.2942, 0.4940,
0.3970


■ 23.0236, 0.5705,
0.3852


■ 35.2647, 0.4617,
0.3921

■ 39.8165, 0.4304,
0.3841


■ 44.9747, 0.4014,
0.3741

■ 50.7631, 0.3754,
0.3631

 57.2035, 0.3526,
0.3520

 64.3171, 0.3328,
0.3412

 72.1236, 0.3159,
0.3310

 80.6422, 0.3013,
0.3215

Harmonies

Analogous

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



27.8758, 0.5162, 0.3241



27.8758, 0.5250, 0.3973



27.8758, 0.4693, 0.4745

Triad

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



27.8758, 0.5250, 0.3973



27.8758, 0.1917, 0.4076



27.8758, 0.2179, 0.1756

Complementary

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



27.8758, 0.5250, 0.3973



27.2998, 0.1980, 0.2166

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.



27.8758, 0.1586, 0.1737



27.8758, 0.5250, 0.3973



27.8758, 0.1436, 0.2819

Square

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



27.8758, 0.5250, 0.3973



27.8758, 0.2780, 0.5197



27.8758, 0.1345, 0.2050



27.8758, 0.3155, 0.2050

Rectangle

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



27.8758, 0.5250, 0.3973



27.8758, 0.4113, 0.5191



27.8758, 0.1345, 0.2050



27.8758, 0.1939, 0.1718

Sweetspot

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



27.8773, 0.5250, 0.3973



74.6651, 0.3594, 0.3555



19.4082, 0.4232, 0.2239



15.3197, 0.3675, 0.3594



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.



27.8773, 0.5250, 0.3973



31.5981, 0.5674, 0.3862



59.3712, 0.4287, 0.4840



14.6053, 0.3282, 0.3385



13.7443, 0.5679, 0.3873



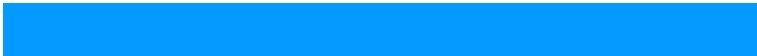
1.1250, 0.5399, 0.4095

Inverse Universe

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



27.2998, 0.1980, 0.2166



30.3670, 0.1867, 0.1911



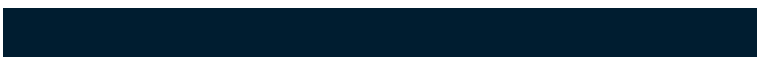
8.8427, 0.1651, 0.0928



14.5946, 0.2981, 0.3193



13.2040, 0.1865, 0.1914



1.0895, 0.1930, 0.2148

Previews

White Background



This preview shows how the Yxy color 27.8758, 0.5250, 0.3973 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 27.8758, 0.5250, 0.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

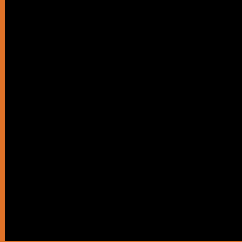
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8758, 0.5250, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 27.8758, 0.5250, 0.3973.



This preview shows how white text looks on a background with the Yxy color 27.8758, 0.5250, 0.3973.

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

27.8758, 0.5250, 0.3973

Protanopia

28.1456, 0.4219, 0.4646

Deuteranopia

27.9301, 0.4628, 0.4540



Tritanopia

27.8990, 0.4570, 0.3215

Trichromacy



Original Color

27.8758, 0.5250, 0.3973

Protanomaly

27.4300, 0.4606, 0.4392

Deuteranomaly

27.6863, 0.4865, 0.4322

Tritanomaly

27.8475, 0.4881, 0.3544

Monochromacy



Original Color

27.8758, 0.5250, 0.3973

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.0948, 0.3930, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8758, 0.5250, 0.3973 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, 114, 40)` looks like.

```
.text, #text, p{  
    color:rgb(223, 114, 40)  
}
```

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, 114, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 114, 40) }
```

Border

The CSS property to change the border of an element to Yxy 27.8758, 0.5250, 0.3973 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, 114, 40) }
```

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

```
.border{ border-color:rgb(223, 114, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 114, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 114, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 114, 40);  
box-shadow:4px 4px 4px 4px rgb(223, 114,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8758, 0.5250, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 114, 40) }
```

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

```
.background{ background-color: rgb(223,  
114, 40) }
```

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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