

Converting Colors

$Y_{xy}(24.7615, 0.5292, 0.3787)$

Have a look what the booklet for
Yxy(24.7615, 0.5292, 0.3787)
contains.

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Color

$\text{Yxy}(24.7931, 0.5288, 0.3796)$

Conversions

Conversions Part 1

Format	Color
Hex	DB6632
RGB	219, 102, 50
RGB Percent	86%, 40%, 20%
CMY	0.1412, 0.5999, 0.8039
CMYK	0.00, 0.53, 0.77, 0.14
HSL	18°, 70%, 53%
HSV	18°, 77%, 86%
XYZ	34.5379, 24.7931, 5.9827
YIQ	131.0550, 86.4240, 8.6320

Conversions

Conversions Part 2

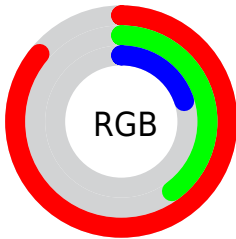
Format	Color
R _Y B	219, 125, 50
Decimal	14378546
CIE Lab	56.87, 42.69, 49.61
CIE LCh	57, 65.448, 49.288
Yxy	24.7931, 0.5288, 0.3796
Android (android.graphics.Color)	4292568626 (0xFFDB6632)
YUV	131.0550, -39.9601, 77.1278
Hunter-Lab	49.7927, 36.6766, 27.7310

Details

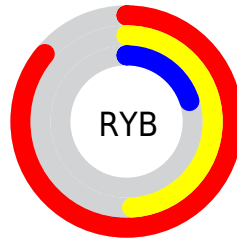
The Yxy color **24.7931, 0.5288, 0.3796** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **33.4192, 0.2094, 0.2507**, and the grayscale version is **22.8419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6228, 0.4650, 0.3839**, and **9.4493, 0.5894, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **21.9360, 0.5623, 0.3759**, and if you desaturate by 10%, it is **28.2881, 0.4922, 0.3788**.

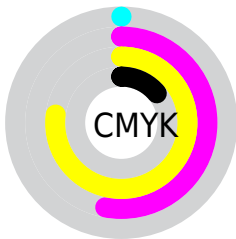
Distribution



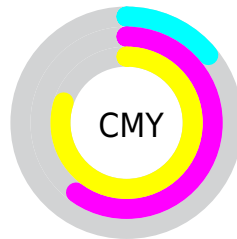
- Red (86%)
- Green (40%)
- Blue (20%)



- Red (86%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (77%)
- Black (14%)





- Cyan (14%)
- Magenta (60%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7931, 0.5288, 0.3796 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 24.7931, 0.5288, 0.3796 by changing the saturation by 10% instead.


 24.7931, 0.5288,
0.3796


 24.7931, 0.5288,
0.3796


 276.8060, 0.4137,
0.3647


 15.9230, 0.5567,
0.3777


 51.3214, 0.4868,
0.3779


 9.4697, 0.5905,
0.3712


 69.7483, 0.4709,
0.3761


 5.0488, 0.6394,
0.3606

 92.1296, 0.4575,
0.3740

 2.2759, 0.6768,
0.3232

 118.8498, 0.4461,
0.3720

 0.7609, 0.7381,
0.2619

 150.2931, 0.4363,
0.3700

 0.0000, 1.0000,
0.0000

 186.8439, 0.4278,

 0.0000, 0.0000,

0.3681

0.0000

228.8868, 0.4203,
0.3663

■ 24.7931, 0.5288,
0.3796

■ 24.7931, 0.5288,
0.3796

■ 21.9360, 0.5623,
0.3759

■ 28.2881, 0.4922,
0.3788

■ 19.6678, 0.5893,
0.3675


■ 32.4557, 0.4558,
0.3744


■ 19.1210, 0.5961,
0.3649


■ 37.3326, 0.4219,
0.3676


■ 42.9514, 0.3918,
0.3595

■ 49.3427, 0.3656,
0.3510

 56.5352, 0.3433,
0.3425

 64.5559, 0.3244,
0.3345

 73.4309, 0.3085,
0.3269

 83.1846, 0.2951,
0.3200

Harmonies

Analogous

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



24.7931, 0.5017, 0.3080



24.7931, 0.5288, 0.3796



24.7931, 0.4860, 0.4562

Triad

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



24.7931, 0.5288, 0.3796



24.7931, 0.2097, 0.4385



24.7931, 0.2010, 0.1732

Complementary

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



24.7931, 0.5288, 0.3796



33.4192, 0.2094, 0.2507

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.



24.7931, 0.1506, 0.1784



24.7931, 0.5288, 0.3796



24.7931, 0.1518, 0.3081

Square

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



24.7931, 0.5288, 0.3796



24.7931, 0.3017, 0.5317



24.7931, 0.1342, 0.2189



24.7931, 0.2897, 0.1963

Rectangle

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



24.7931, 0.5288, 0.3796



24.7931, 0.4326, 0.5044



24.7931, 0.1342, 0.2189



24.7931, 0.1801, 0.1716

Sweetspot

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



24.7945, 0.5288, 0.3796



73.5589, 0.3563, 0.3476



20.1775, 0.3871, 0.2086



14.9783, 0.3648, 0.3507



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.



24.7945, 0.5288, 0.3796



28.7592, 0.5811, 0.3707



50.0661, 0.4391, 0.4660



13.7020, 0.3284, 0.3363



11.5104, 0.5934, 0.3670



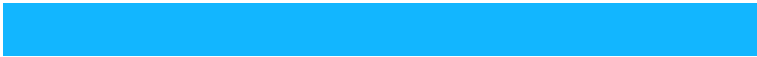
0.8961, 0.5612, 0.3926

Inverse Universe

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



33.4192, 0.2094, 0.2507



40.8043, 0.1985, 0.2312



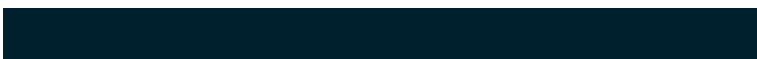
12.1014, 0.1764, 0.1237



14.1179, 0.2982, 0.3216



16.4718, 0.1961, 0.2258



1.2172, 0.2013, 0.2447

Previews

White Background



This preview shows how the Yxy color 24.7931, 0.5288, 0.3796 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 24.7931, 0.5288, 0.3796 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 24.7931, 0.5288, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 24.7931, 0.5288, 0.3796.



This preview shows how white text looks on a background with the Yxy color 24.7931, 0.5288, 0.3796.

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

24.7931, 0.5288, 0.3796

Protanopia

24.8930, 0.4093, 0.4486

Deuteranopia

24.9031, 0.4540, 0.4449



Tritanopia

24.7172, 0.4743, 0.3216

Trichromacy



Original Color

24.7931, 0.5288, 0.3796

Protanomaly

23.9309, 0.4550, 0.4216

Deuteranomaly

24.4412, 0.4830, 0.4190

Tritanomaly

24.5911, 0.4974, 0.3447

Monochromacy



Original Color

24.7931, 0.5288, 0.3796

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1788, 0.3908, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7931, 0.5288, 0.3796 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(219, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(219, 102, 50)  
}
```

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(219, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 102, 50) }
```

Border

The CSS property to change the border of an element to Yxy 24.7931, 0.5288, 0.3796 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(219, 102, 50) }
```

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

```
.border{ border-color:rgb(219, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(219, 102,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7931, 0.5288, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 102, 50) }
```

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

```
.background{ background-color: rgb(219,  
102, 50) }
```

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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