

Converting Colors

$Y_{xy}(26.6179, 0.5267, 0.4200)$

Have a look what the booklet for
Yxy(26.6179, 0.5267, 0.4200)
contains.

Yxy(26.7196, 0.5267, 0.4200)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7196, 0.5267, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	D47500
RGB	212, 117, 0
RGB Percent	83%, 46%, 0%
CMY	0.1687, 0.5411, 1.0000
CMYK	0.00, 0.45, 1.00, 0.17
HSL	33°, 100%, 42%
HSV	33°, 100%, 83%
XYZ	33.5077, 26.7196, 3.3908
YIQ	132.0670, 94.1770, -16.2470

Conversions

Conversions Part 2

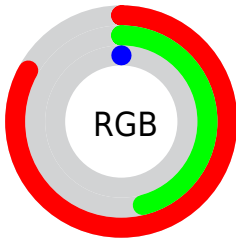
Format	Color
RYB	172, 212, 0
Decimal	13923584
CIELab	58.71, 31.17, 65.89
CIElCh	59, 72.895, 64.683
Yxy	26.7196, 0.5267, 0.4200
Android (android.graphics.Color)	4292113664 (0xFFD47500)
YUV	132.0670, -65.1090, 70.1012
Hunter-Lab	51.6910, 25.2498, 32.2944

Details

The Yxy color **26.7196, 0.5267, 0.4200** 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 **12.9286, 0.1720, 0.1393**, and the grayscale version is **23.3157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4268, 0.4749, 0.4227**, and **10.5936, 0.5546, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **26.7211, 0.5267, 0.4200**, and if you desaturate by 10%, it is **29.1026, 0.5088, 0.4254**.

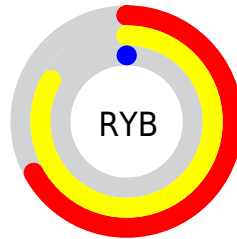
Distribution



Red (83%)

Green (46%)

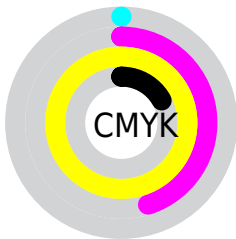
Blue (0%)



Red (67%)

Yellow (83%)

Blue (0%)

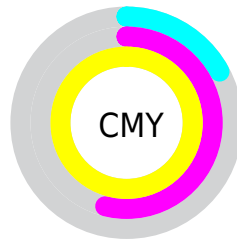


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7196, 0.5267, 0.4200 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 26.7196, 0.5267, 0.4200 by changing the saturation by 10% instead.


 26.7196, 0.5267,
0.4200


 26.7196, 0.5267,
0.4200

286.2969, 0.4200,
0.3884


 17.3627, 0.5486,
0.4200


 54.4336, 0.4905,
0.4139


 10.4935, 0.5783,
0.4193


 73.5595, 0.4759,
0.4098

 5.7273, 0.5984,
0.4016


 96.7106, 0.4633,
0.4057

 2.6800, 0.6264,
0.3736

 124.2712, 0.4523,
0.4018

 0.9671, 0.6724,
0.3276

 156.6257, 0.4426,
0.3981

 0.0000, 1.0000,
0.0000


 194.1586, 0.4342,


 0.0000, 0.0000,


0.3946


0.0000

 237.2542, 0.4267,
0.3914

 26.7196, 0.5267,
0.4200


 26.7196, 0.5267,
0.4200


 26.7211, 0.5267,
0.4200

 29.1026, 0.5088,
0.4254

 31.7753, 0.4876,
0.4260

 34.7654, 0.4637,
0.4213

 38.0898, 0.4385,
0.4124

 41.7637, 0.4133,
0.4004

■ 45.8005, 0.3893,
0.3866

■ 50.2132, 0.3670,
0.3719

■ 55.0134, 0.3468,
0.3571

■ 60.2124, 0.3287,
0.3427

Harmonies

Analogous

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



26.7196, 0.5422, 0.3418



26.7196, 0.5267, 0.4200



26.7196, 0.4519, 0.5028

Triad

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



26.7196, 0.5267, 0.4200



26.7196, 0.1642, 0.3720



26.7196, 0.2360, 0.1726

Complementary

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



26.7196, 0.5267, 0.4200



12.9286, 0.1720, 0.1393

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.



26.7196, 0.1628, 0.1621



26.7196, 0.5267, 0.4200



26.7196, 0.1272, 0.2483

Square

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



26.7196, 0.5267, 0.4200



26.7196, 0.2450, 0.5122



26.7196, 0.1283, 0.1831



26.7196, 0.3500, 0.2106

Rectangle

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



26.7196, 0.5267, 0.4200



26.7196, 0.3855, 0.5463



26.7196, 0.1283, 0.1831



26.7196, 0.2068, 0.1659

Sweetspot

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



26.7211, 0.5267, 0.4200



76.0658, 0.3677, 0.3724



14.8268, 0.5192, 0.2634



15.6563, 0.3770, 0.3787



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.



26.7211, 0.5267, 0.4200



40.2427, 0.5281, 0.4189



59.5449, 0.4106, 0.5122



13.5460, 0.3277, 0.3419



16.7031, 0.5248, 0.4215



1.1716, 0.5017, 0.4399

Inverse Universe

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



12.9286, 0.1720, 0.1393



19.3060, 0.1715, 0.1374



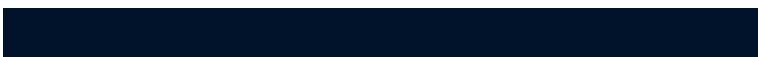
4.8207, 0.1513, 0.0607



12.9155, 0.2982, 0.3158



8.1771, 0.1728, 0.1419



0.6570, 0.1820, 0.1752

Previews

White Background



This preview shows how the Yxy color 26.7196, 0.5267, 0.4200 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 26.7196, 0.5267, 0.4200 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 26.7196, 0.5267, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 26.7196, 0.5267, 0.4200.



This preview shows how white text looks on a background with the Yxy color 26.7196, 0.5267, 0.4200.

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

26.7196, 0.5267, 0.4200

Protanopia

26.8601, 0.4368, 0.4834

Deuteranopia

26.9117, 0.4705, 0.4646



Tritanopia

26.8206, 0.4411, 0.3198

Trichromacy



Original Color

26.7196, 0.5267, 0.4200

Protanomaly

26.3829, 0.4710, 0.4596

Deuteranomaly

26.5147, 0.4925, 0.4471

Tritanomaly

26.5298, 0.4914, 0.3719

Monochromacy



Original Color

26.7196, 0.5267, 0.4200

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3959, 0.4054, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7196, 0.5267, 0.4200 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(212, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 117, 0)  
}
```

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(212, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.7196, 0.5267, 0.4200 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(212, 117, 0) }
```

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

```
.border{ border-color:rgb(212, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7196, 0.5267, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 117, 0) }
```

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

```
.background{ background-color: rgb(212,  
117, 0) }
```

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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