

Converting Colors

$Y_{xy}(25.3475, 0.5321, 0.4157)$

Have a look what the booklet for
Yxy(25.3475, 0.5321, 0.4157)
contains.

Yxy(25.2900, 0.5321, 0.4157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.2900, 0.5321, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	D27000
RGB	210, 112, 0
RGB Percent	82%, 44%, 0%
CMY	0.1765, 0.5607, 0.9999
CMYK	0.00, 0.47, 1.00, 0.18
HSL	32°, 100%, 41%
HSV	32°, 100%, 82%
XYZ	32.3714, 25.2900, 3.1757
YIQ	128.5340, 94.3600, -14.0560

Conversions

Conversions Part 2

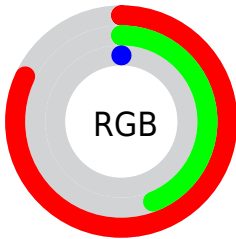
Format	Color
RYB	184, 210, 0
Decimal	13791232
CIELab	57.36, 32.98, 64.91
CIELCh	57, 72.813, 63.065
Yxy	25.2900, 0.5321, 0.4157
Android (android.graphics.Color)	4291981312 (0xFFD27000)
YUV	128.5340, -63.3673, 71.4457
Hunter-Lab	50.2892, 26.8955, 31.4583

Details

The Yxy color **25.2900, 0.5321, 0.4157** 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 **13.3892, 0.1737, 0.1454**, and the grayscale version is **21.9845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5755, 0.4801, 0.4186**, and **9.8348, 0.5623, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **25.2891, 0.5321, 0.4157**, and if you desaturate by 10%, it is **27.6273, 0.5134, 0.4215**.

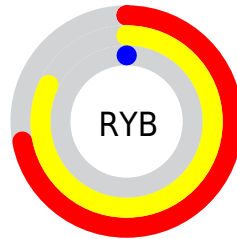
Distribution



Red (82%)

Green (44%)

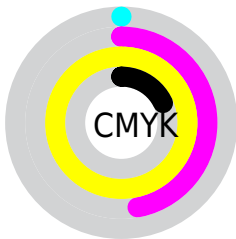
Blue (0%)



Red (72%)

Yellow (82%)

Blue (0%)

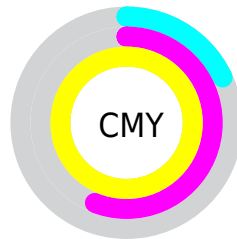


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2900, 0.5321, 0.4157 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 25.2900, 0.5321, 0.4157 by changing the saturation by 10% instead.


 25.2900, 0.5321,
0.4157

 25.2900, 0.5321,
0.4157


279.2791, 0.4216,
0.3866


 16.2932, 0.5550,
0.4148


 52.1273, 0.4944,
0.4106


 9.7319, 0.5869,
0.4131


 70.7366, 0.4792,
0.4069

 5.2216, 0.6075,
0.3925

 93.3189, 0.4661,
0.4031

 2.3778, 0.6385,
0.3615

 120.2586, 0.4547,
0.3994

 0.8145, 0.6903,
0.3097

 151.9401, 0.4448,
0.3959


 0.0000, 1.0000,
0.0000

 188.7477, 0.4361,

 0.0000, 0.0000,


0.3925

0.0000

 231.0659, 0.4284,
0.3895


 25.2900, 0.5321,
0.4157


 25.2900, 0.5321,
0.4157


 25.2891, 0.5321,
0.4157

 27.6273, 0.5134,
0.4215

 30.2647, 0.4913,
0.4225

 33.2302, 0.4664,
0.4182

 36.5412, 0.4404,
0.4097

 40.2132, 0.4145,
0.3981

■ 44.2602, 0.3900,
0.3847

■ 48.6954, 0.3674,
0.3705

■ 53.5311, 0.3469,
0.3561

■ 58.7788, 0.3287,
0.3422

Harmonies

Analogous

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



25.2900, 0.5443, 0.3373



25.2900, 0.5321, 0.4157



25.2900, 0.4580, 0.5001

Triad

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



25.2900, 0.5321, 0.4157



25.2900, 0.1652, 0.3807



25.2900, 0.2296, 0.1694

Complementary

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



25.2900, 0.5321, 0.4157



13.3892, 0.1737, 0.1454

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.



25.2900, 0.1580, 0.1603



25.2900, 0.5321, 0.4157



25.2900, 0.1258, 0.2519

Square

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



25.2900, 0.5321, 0.4157



25.2900, 0.2489, 0.5217



25.2900, 0.1252, 0.1833



25.2900, 0.3434, 0.2063

Rectangle

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



25.2900, 0.5321, 0.4157



25.2900, 0.3913, 0.5467



25.2900, 0.1252, 0.1833



25.2900, 0.2010, 0.1632

Sweetspot

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



25.2914, 0.5321, 0.4157



75.3149, 0.3681, 0.3709



14.5832, 0.5119, 0.2594



15.4784, 0.3775, 0.3771



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.



25.2914, 0.5321, 0.4157



38.8695, 0.5336, 0.4145



58.7860, 0.4135, 0.5099



12.8373, 0.3277, 0.3414



15.6302, 0.5300, 0.4174



1.0320, 0.5043, 0.4378

Inverse Universe

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



13.3892, 0.1737, 0.1454



20.4126, 0.1732, 0.1434



4.6986, 0.1509, 0.0605



12.3141, 0.2982, 0.3163



8.3638, 0.1745, 0.1480



0.6258, 0.1841, 0.1828

Previews

White Background



This preview shows how the Yxy color 25.2900, 0.5321, 0.4157 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 25.2900, 0.5321, 0.4157 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 25.2900, 0.5321, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 25.2900, 0.5321, 0.4157.



This preview shows how white text looks on a background with the Yxy color 25.2900, 0.5321, 0.4157.

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

25.2900, 0.5321, 0.4157

Protanopia

25.5768, 0.4356, 0.4833

Deuteranopia

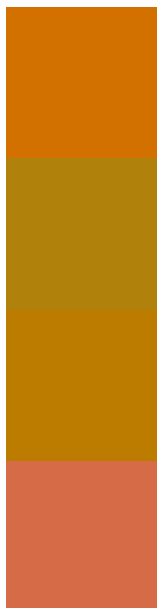
25.3466, 0.4718, 0.4636



Tritanopia

25.3445, 0.4503, 0.3210

Trichromacy



Original Color

25.2900, 0.5321, 0.4157

Protanomaly

24.9548, 0.4733, 0.4575

Deuteranomaly

25.1067, 0.4953, 0.4449

Tritanomaly

25.1165, 0.4977, 0.3695

Monochromacy



Original Color

25.2900, 0.5321, 0.4157

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0442, 0.4070, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2900, 0.5321, 0.4157 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(210, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 112, 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(210, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.2900, 0.5321, 0.4157 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(210, 112, 0) }
```

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

```
.border{ border-color:rgb(210, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2900, 0.5321, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 112, 0) }
```

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

```
.background{ background-color: rgb(210,  
112, 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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