

Converting Colors

$Y_{xy}(29.5930, 0.5227, 0.4232)$

Have a look what the booklet for
Yxy(29.5930, 0.5227, 0.4232)
contains.

Yxy(29.4754, 0.5228, 0.4231)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4754, 0.5228, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	DB7C00
RGB	219, 124, 0
RGB Percent	86%, 49%, 0%
CMY	0.1412, 0.5137, 1.0000
CMYK	0.00, 0.43, 1.00, 0.14
HSL	34°, 100%, 43%
HSV	34°, 100%, 86%
XYZ	36.4210, 29.4754, 3.7689
YIQ	138.2690, 96.4240, -18.4240

Conversions

Conversions Part 2

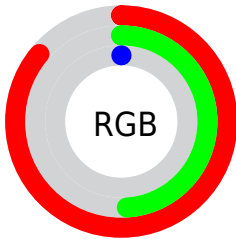
Format	Color
RYB	168, 219, 0
Decimal	14384128
CIELab	61.20, 30.41, 67.92
CIElCh	61, 74.420, 65.878
Yxy	29.4754, 0.5228, 0.4231
Android (android.graphics.Color)	4292574208 (0xFFDB7C00)
YUV	138.2690, -68.1666, 70.8011
Hunter-Lab	54.2913, 24.7362, 33.8880

Details

The Yxy color **29.4754, 0.5228, 0.4231** 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 **13.2976, 0.1707, 0.1345**, and the grayscale version is **25.7632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1465, 0.4675, 0.4279**, and **12.0657, 0.5472, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **29.4770, 0.5228, 0.4231**, and if you desaturate by 10%, it is **32.0315, 0.5056, 0.4283**.

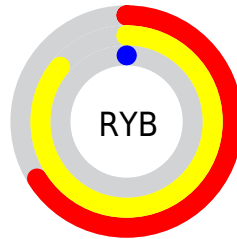
Distribution



Red (86%)

Green (49%)

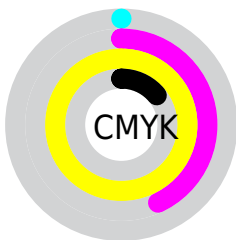
Blue (0%)



Red (66%)

Yellow (86%)

Blue (0%)

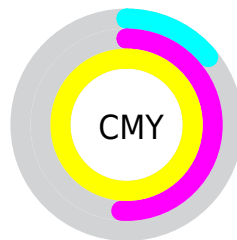


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4754, 0.5228, 0.4231 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 29.4754, 0.5228, 0.4231 by changing the saturation by 10% instead.


 29.4754, 0.5228,
0.4231


 29.4754, 0.5228,
0.4231


299.4515, 0.4199,
0.3903


 19.4407, 0.5435,
0.4238

 58.8316, 0.4883,
0.4163


 11.9892, 0.5696,
0.4227


 78.9219, 0.4743,
0.4121

 6.7363, 0.5908,
0.4092


 103.1328, 0.4621,
0.4080

 3.2977, 0.6154,
0.3846

 131.8488, 0.4514,
0.4039

 1.2891, 0.6550,
0.3450

 165.4543, 0.4421,
0.4001

 0.1327, 0.8675,
0.1325

 204.3337, 0.4338,

 0.0000, 0.0000,

0.3966


0.0000

 248.8712, 0.4265,
0.3933


 29.4754, 0.5228,
0.4231

 29.4754, 0.5228,
0.4231

 29.4770, 0.5228,
0.4231

 32.0315, 0.5056,
0.4283

 34.8869, 0.4852,
0.4286

 38.0705, 0.4619,
0.4238

 41.6000, 0.4373,
0.4146

 45.4912, 0.4126,
0.4023

■ 49.7583, 0.3889,
0.3881

■ 54.4145, 0.3668,
0.3730

■ 59.4720, 0.3467,
0.3578

■ 64.9426, 0.3287,
0.3431

Harmonies

Analogous

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



29.4754, 0.5407, 0.3451



29.4754, 0.5228, 0.4231



29.4754, 0.4474, 0.5046

Triad

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



29.4754, 0.5228, 0.4231



29.4754, 0.1634, 0.3658



29.4754, 0.2406, 0.1750

Complementary

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



29.4754, 0.5228, 0.4231



13.2976, 0.1707, 0.1345

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.



29.4754, 0.1662, 0.1634



29.4754, 0.5228, 0.4231



29.4754, 0.1282, 0.2457

Square

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



29.4754, 0.5228, 0.4231



29.4754, 0.2421, 0.5053



29.4754, 0.1305, 0.1830



29.4754, 0.3547, 0.2138

Rectangle

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



29.4754, 0.5228, 0.4231



29.4754, 0.3812, 0.5458



29.4754, 0.1305, 0.1830



29.4754, 0.2111, 0.1679

Sweetspot

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



29.4770, 0.5228, 0.4231



76.6402, 0.3674, 0.3734



15.9523, 0.5196, 0.2636



15.7926, 0.3765, 0.3799



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.



29.4770, 0.5228, 0.4231



41.3254, 0.5239, 0.4222



64.0799, 0.4105, 0.5122



14.2690, 0.3277, 0.3422



17.7002, 0.5208, 0.4247



1.3169, 0.4998, 0.4413

Inverse Universe

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



13.2976, 0.1707, 0.1345



18.5036, 0.1703, 0.1330



5.1853, 0.1512, 0.0607



13.5416, 0.2982, 0.3154



8.0938, 0.1715, 0.1372



0.6936, 0.1803, 0.1691

Previews

White Background



This preview shows how the Yxy color 29.4754, 0.5228, 0.4231 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 29.4754, 0.5228, 0.4231 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 29.4754, 0.5228, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 29.4754, 0.5228, 0.4231.



This preview shows how white text looks on a background with the Yxy color 29.4754, 0.5228, 0.4231.

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

29.4754, 0.5228, 0.4231

Protanopia

29.7509, 0.4363, 0.4846

Deuteranopia

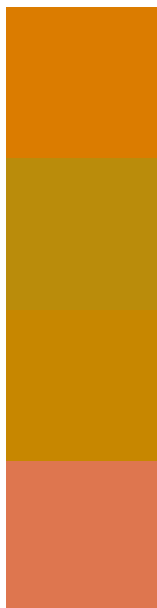
29.6145, 0.4708, 0.4644



Tritanopia

29.4047, 0.4359, 0.3188

Trichromacy



Original Color

29.4754, 0.5228, 0.4231

Protanomaly

29.2194, 0.4690, 0.4616

Deuteranomaly

29.4701, 0.4905, 0.4487

Tritanomaly

29.0510, 0.4869, 0.3721

Monochromacy



Original Color

29.4754, 0.5228, 0.4231

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.6951, 0.4038, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4754, 0.5228, 0.4231 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, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 124, 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(219, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.4754, 0.5228, 0.4231 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, 124, 0) }
```

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

```
.border{ border-color:rgb(219, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 124,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4754, 0.5228, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 124, 0) }
```

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

```
.background{ background-color: rgb(219,  
124, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor