

Converting Colors

$Yxy(29.6806, 0.5200, 0.4221)$

Have a look what the booklet for
Yxy(29.6806, 0.5200, 0.4221)
contains.

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Color

$Yxy(29.7470, 0.5197, 0.4225)$

Conversions

Conversions Part 1

Format	Color
Hex	DB7D09
RGB	219, 125, 9
RGB Percent	86%, 49%, 4%
CMY	0.1413, 0.5097, 0.9650
CMYK	0.00, 0.43, 0.96, 0.14
HSL	33°, 92%, 45%
HSV	33°, 96%, 86%
XYZ	36.5906, 29.7470, 4.0695
YIQ	139.8820, 93.2600, -16.1480

Conversions

Conversions Part 2

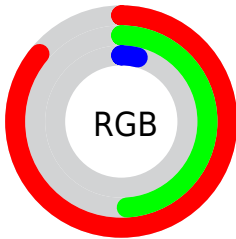
Format	Color
R _Y B	179, 219, 9
Decimal	14384393
CIE Lab	61.44, 29.96, 66.64
CIE LCh	61, 73.064, 65.794
Yxy	29.7470, 0.5197, 0.4225
Android (android.graphics.Color)	4292574473 (0xFFDB7D09)
YUV	139.8820, -64.5248, 69.3865
Hunter-Lab	54.5408, 24.3064, 33.7547

Details

The Yxy color **29.7470, 0.5197, 0.4225** 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 **14.8490, 0.1747, 0.1463**, and the grayscale version is **26.4046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5818, 0.4650, 0.4269**, and **12.2003, 0.5454, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **28.7371, 0.5268, 0.4199**, and if you desaturate by 10%, it is **32.4312, 0.5008, 0.4264**.

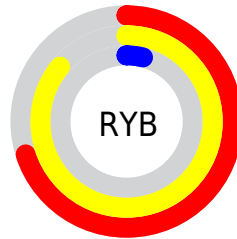
Distribution



Red (86%)

Green (49%)

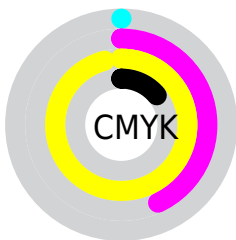
Blue (4%)



Red (70%)

Yellow (86%)

Blue (4%)

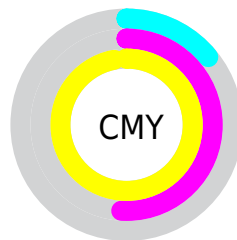


Cyan (0%)

Magenta (43%)

Yellow (96%)

Black (14%)



Cyan (14%)


Magenta (51%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7470, 0.5197, 0.4225 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 29.7470, 0.5197, 0.4225 by changing the saturation by 10% instead.


 29.7470, 0.5197,
0.4225

 29.7470, 0.5197,
0.4225


300.7234, 0.4179,
0.3892

 19.6466, 0.5405,
0.4237


 59.2618, 0.4854,
0.4153

 12.1384, 0.5658,
0.4225


 79.4451, 0.4715,
0.4110


 6.8380, 0.5889,
0.4111


 103.7581, 0.4595,
0.4068

 3.3610, 0.6130,
0.3870

 132.5853, 0.4489,
0.4028

 1.3230, 0.6517,
0.3483

 166.3110, 0.4397,
0.3990

 0.1589, 0.8475,
0.1525


 205.3197, 0.4316,

 0.0000, 0.0000,


0.3955

0.0000


 249.9957, 0.4244,
0.3922


 29.7470, 0.5197,
0.4225


 29.7470, 0.5197,
0.4225


 28.7371, 0.5268,
0.4199

 32.4312, 0.5008,
0.4264

 35.4432, 0.4784,
0.4248

 38.8049, 0.4537,
0.4184

 42.5336, 0.4284,
0.4080

 46.6451, 0.4035,
0.3951

■ 51.1536, 0.3801,
0.3808

■ 56.0724, 0.3586,
0.3659

■ 61.4141, 0.3392,
0.3512

■ 67.1904, 0.3220,
0.3370

Harmonies

Analogous

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



29.7470, 0.5362, 0.3455



29.7470, 0.5197, 0.4225



29.7470, 0.4463, 0.5021

Triad

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



29.7470, 0.5197, 0.4225



29.7470, 0.1664, 0.3657



29.7470, 0.2418, 0.1772

Complementary

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



29.7470, 0.5197, 0.4225



14.8490, 0.1747, 0.1463

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.



29.7470, 0.1684, 0.1659



29.7470, 0.5197, 0.4225



29.7470, 0.1311, 0.2479

Square

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



29.7470, 0.5197, 0.4225



29.7470, 0.2442, 0.5012



29.7470, 0.1331, 0.1857



29.7470, 0.3537, 0.2155

Rectangle

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



29.7470, 0.5197, 0.4225



29.7470, 0.3813, 0.5417



29.7470, 0.1331, 0.1857



29.7470, 0.2127, 0.1703

Sweetspot

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



29.7486, 0.5197, 0.4225



76.7991, 0.3655, 0.3709



16.2385, 0.5090, 0.2601



15.8012, 0.3748, 0.3773



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.



29.7486, 0.5197, 0.4225



40.2909, 0.5279, 0.4191



64.1480, 0.4102, 0.5108



14.2388, 0.3278, 0.3419



17.2659, 0.5247, 0.4216



1.2896, 0.5029, 0.4389

Inverse Universe

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



14.8490, 0.1747, 0.1463



19.2690, 0.1715, 0.1372



5.4500, 0.1530, 0.0634



13.5714, 0.2982, 0.3157



8.4196, 0.1726, 0.1415



0.7157, 0.1814, 0.1729

Previews

White Background



This preview shows how the Yxy color 29.7470, 0.5197, 0.4225 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 29.7470, 0.5197, 0.4225 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 29.7470, 0.5197, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 29.7470, 0.5197, 0.4225.



This preview shows how white text looks on a background with the Yxy color 29.7470, 0.5197, 0.4225.

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

29.7470, 0.5197, 0.4225

Protanopia

29.8667, 0.4368, 0.4830

Deuteranopia

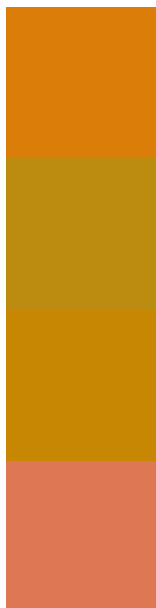
29.7411, 0.4718, 0.4636



Tritanopia

29.6594, 0.4340, 0.3188

Trichromacy



Original Color

29.7470, 0.5197, 0.4225

Protanomaly

29.3555, 0.4692, 0.4597

Deuteranomaly

29.4766, 0.4900, 0.4481

Tritanomaly

29.3478, 0.4818, 0.3693

Monochromacy



Original Color

29.7470, 0.5197, 0.4225

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.5357, 0.4004, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7470, 0.5197, 0.4225 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, 125, 9)` looks like.

```
.text, #text, p{  
    color:rgb(219, 125, 9)  
}
```

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, 125, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 125, 9) }
```

Border

The CSS property to change the border of an element to Yxy 29.7470, 0.5197, 0.4225 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, 125, 9) }
```

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

```
.border{ border-color:rgb(219, 125, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 125, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 125, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 125, 9);  
box-shadow:4px 4px 4px 4px rgb(219, 125,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7470, 0.5197, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 125, 9) }
```

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

```
.background{ background-color: rgb(219,  
125, 9) }
```

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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