

Converting Colors

$Y_{xy}(32.5598, 0.5016, 0.4399)$

Have a look what the booklet for
Yxy(32.5598, 0.5016, 0.4399)
contains.

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Color

Yxy(32.6240, 0.5010, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	D78A00
RGB	215, 138, 0
RGB Percent	84%, 54%, 0%
CMY	0.1569, 0.4588, 1.0000
CMYK	0.00, 0.36, 1.00, 0.16
HSL	39°, 100%, 42%
HSV	39°, 100%, 84%
XYZ	37.1131, 32.6240, 4.3410
YIQ	145.2910, 90.1900, -26.5940

Conversions

Conversions Part 2

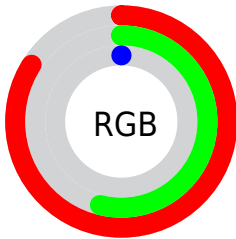
Format	Color
RYB	120, 215, 0
Decimal	14125568
CIELab	63.86, 21.25, 69.36
CIELCh	64, 72.540, 72.966
Yxy	32.6240, 0.5010, 0.4404
Android (android.graphics.Color)	4292315648 (0xFFD78A00)
YUV	145.2910, -71.6285, 61.1348
Hunter-Lab	57.1174, 16.0283, 35.4761

Details

The Yxy color **32.6240, 0.5010, 0.4404** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.2150, 0.1647, 0.1127**, and the grayscale version is **28.7116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9895, 0.4544, 0.4391**, and **13.8495, 0.5182, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **32.6246, 0.5010, 0.4404**, and if you desaturate by 10%, it is **34.9702, 0.4871, 0.4436**.

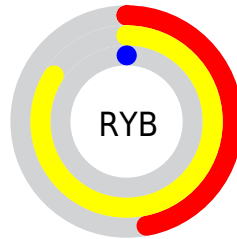
Distribution



Red (84%)

Green (54%)

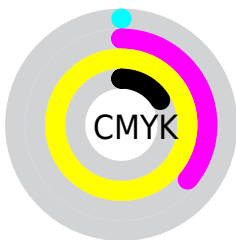
Blue (0%)



Red (47%)

Yellow (84%)

Blue (0%)

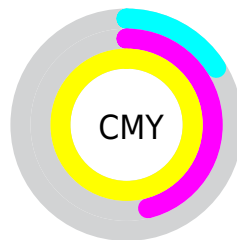


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6240, 0.5010, 0.4404 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 32.6240, 0.5010, 0.4404 by changing the saturation by 10% instead.

 32.6240, 0.5010,
0.4404


 32.6240, 0.5010,
0.4404


313.9520, 0.4110,
0.3969

 21.8386, 0.5185,
0.4446


 63.7881, 0.4713,
0.4292


 13.7383, 0.5388,
0.4470


 84.9355, 0.4591,
0.4235


 7.9389, 0.5578,
0.4422


 110.3056, 0.4484,
0.4181

 4.0559, 0.5742,
0.4258

 140.2830, 0.4390,
0.4131

 1.7049, 0.6005,
0.3995

 175.2519, 0.4308,
0.4085


 0.4268, 0.6848,
0.3152

 215.5968, 0.4234,

 0.0000, 0.0000,

0.4043


0.0000


 261.7020, 0.4169,
0.4004

 32.6240, 0.5010,
0.4404

 32.6240, 0.5010,
0.4404


 32.6246, 0.5010,
0.4404

 34.9702, 0.4871,
0.4436

 37.5370, 0.4703,
0.4422

 40.3497, 0.4507,
0.4358

 43.4227, 0.4293,
0.4251

 46.7686, 0.4073,
0.4112

■ 50.3986, 0.3857,
0.3954

■ 54.3232, 0.3651,
0.3785

■ 58.5518, 0.3460,
0.3615

■ 63.0937, 0.3285,
0.3449

Harmonies

Analogous

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



32.6240, 0.5318, 0.3639



32.6240, 0.5010, 0.4404



32.6240, 0.4221, 0.5135

Triad

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



32.6240, 0.5010, 0.4404



32.6240, 0.1590, 0.3334



32.6240, 0.2673, 0.1880

Complementary

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



32.6240, 0.5010, 0.4404



10.2150, 0.1647, 0.1127

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.



32.6240, 0.1861, 0.1705



32.6240, 0.5010, 0.4404



32.6240, 0.1335, 0.2321

Square

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



32.6240, 0.5010, 0.4404



32.6240, 0.2259, 0.4668



32.6240, 0.1431, 0.1822



32.6240, 0.3813, 0.2313

Rectangle

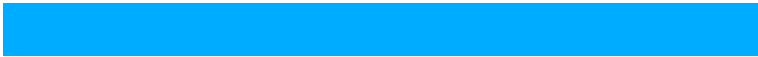
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.6240, 0.5010, 0.4404



32.6240, 0.3568, 0.5409



32.6240, 0.1431, 0.1822



32.6240, 0.2358, 0.1792

Sweetspot

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



32.6257, 0.5010, 0.4404



79.7629, 0.3657, 0.3790



15.0096, 0.5537, 0.2824



16.5360, 0.3743, 0.3862



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.



32.6257, 0.5010, 0.4404



47.6950, 0.5020, 0.4396



59.0825, 0.3958, 0.5239



13.7369, 0.3275, 0.3439



19.7203, 0.4994, 0.4416



1.3434, 0.4821, 0.4554

Inverse Universe

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



10.2150, 0.1647, 0.1127



14.7577, 0.1642, 0.1111



5.1631, 0.1546, 0.0626



12.7293, 0.2982, 0.3136



6.2921, 0.1654, 0.1155



0.5337, 0.1752, 0.1506

Previews

White Background



This preview shows how the Yxy color 32.6240, 0.5010, 0.4404 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.6240, 0.5010, 0.4404 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6240, 0.5010, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 32.6240, 0.5010, 0.4404.



This preview shows how white text looks on a background with the Yxy color 32.6240, 0.5010, 0.4404.

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

32.6240, 0.5010, 0.4404

Protanopia

32.9254, 0.4372, 0.4855

Deuteranopia

32.6032, 0.4719, 0.4635



Tritanopia

32.6455, 0.4094, 0.3173

Trichromacy



Original Color

32.6240, 0.5010, 0.4404

Protanomaly

32.4640, 0.4619, 0.4680

Deuteranomaly

32.6430, 0.4824, 0.4551

Tritanomaly

32.2672, 0.4621, 0.3801

Monochromacy



Original Color

32.6240, 0.5010, 0.4404

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.6648, 0.3968, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6240, 0.5010, 0.4404 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(215, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 138, 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(215, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.6240, 0.5010, 0.4404 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(215, 138, 0) }
```

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

```
.border{ border-color:rgb(215, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6240, 0.5010, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 138, 0) }
```

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

```
.background{ background-color: rgb(215,  
138, 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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