

Converting Colors

$Y_{xy}(24.7206, 0.5393, 0.4100)$

Have a look what the booklet for
Yxy(24.7206, 0.5393, 0.4100)
contains.

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Color

Yxy(24.7222, 0.5393, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	D46C00
RGB	212, 108, 0
RGB Percent	83%, 42%, 0%
CMY	0.1685, 0.5765, 1.0000
CMYK	0.00, 0.49, 1.00, 0.17
HSL	31°, 100%, 42%
HSV	31°, 100%, 83%
XYZ	32.5187, 24.7222, 3.0571
YIQ	126.7840, 96.6520, -11.5400

Conversions

Conversions Part 2

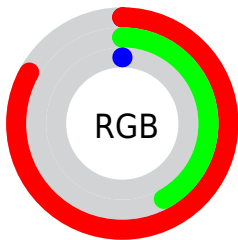
Format	Color
RYB	204, 212, 0
Decimal	13921280
CIELab	56.80, 35.90, 64.74
CIElCh	57, 74.022, 60.992
Yxy	24.7222, 0.5393, 0.4100
Android (android.graphics.Color)	4292111360 (0xFFD46C00)
YUV	126.7840, -62.5045, 74.7344
Hunter-Lab	49.7214, 29.7298, 31.1596

Details

The Yxy color **24.7222, 0.5393, 0.4100** 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 **14.6615, 0.1759, 0.1531**, and the grayscale version is **21.3394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1431, 0.4844, 0.4155**, and **9.5101, 0.5706, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **24.7236, 0.5393, 0.4100**, and if you desaturate by 10%, it is **27.1052, 0.5196, 0.4164**.

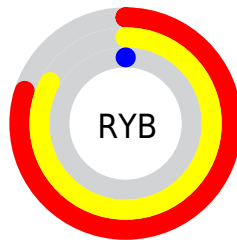
Distribution



Red (83%)

Green (42%)

Blue (0%)



Red (80%)

Yellow (83%)

Blue (0%)

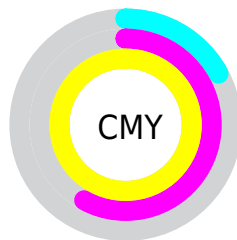


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7222, 0.5393, 0.4100 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 24.7222, 0.5393, 0.4100 by changing the saturation by 10% instead.


 24.7222, 0.5393,
0.4100


 24.7222, 0.5393,
0.4100


276.4516, 0.4246,
0.3846


 15.8702, 0.5632,
0.4079


 51.2062, 0.5000,
0.4065

 9.4324, 0.5959,
0.4041


 69.6070, 0.4843,
0.4034

 5.0242, 0.6183,
0.3817

 91.9595, 0.4707,
0.4000

 2.2615, 0.6520,
0.3480

 118.6481, 0.4589,
0.3966

 0.7532, 0.7092,
0.2908

 150.0572, 0.4487,
0.3933

 0.0000, 1.0000,
0.0000

 186.5713, 0.4396,

 0.0000, 0.0000,

0.3902


0.0000


 228.5746, 0.4317,
0.3873


 24.7222, 0.5393,
0.4100


 24.7222, 0.5393,
0.4100


 24.7236, 0.5393,
0.4100

 27.1052, 0.5196,
0.4164

 29.8176, 0.4963,
0.4180

 32.8894, 0.4702,
0.4142

 36.3396, 0.4431,
0.4062

 40.1851, 0.4163,
0.3952

■ 44.4415, 0.3911,
0.3824

■ 49.1233, 0.3679,
0.3687

■ 54.2440, 0.3472,
0.3550

■ 59.8165, 0.3288,
0.3416

Harmonies

Analogous

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



24.7222, 0.5470, 0.3312



24.7222, 0.5393, 0.4100



24.7222, 0.4661, 0.4965

Triad

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



24.7222, 0.5393, 0.4100



24.7222, 0.1665, 0.3927



24.7222, 0.2214, 0.1651

Complementary

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



24.7222, 0.5393, 0.4100



14.6615, 0.1759, 0.1531

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.



24.7222, 0.1519, 0.1578



24.7222, 0.5393, 0.4100



24.7222, 0.1239, 0.2567

Square

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



24.7222, 0.5393, 0.4100



24.7222, 0.2539, 0.5343



24.7222, 0.1211, 0.1834



24.7222, 0.3348, 0.2006

Rectangle

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



24.7222, 0.5393, 0.4100



24.7222, 0.3989, 0.5470



24.7222, 0.1211, 0.1834



24.7222, 0.1933, 0.1595

Sweetspot

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



24.7236, 0.5393, 0.4100



74.3600, 0.3686, 0.3691



15.0412, 0.4979, 0.2516



15.2524, 0.3782, 0.3750



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.



24.7236, 0.5393, 0.4100



37.1937, 0.5408, 0.4088



61.0984, 0.4193, 0.5053



13.4560, 0.3278, 0.3409



15.4608, 0.5371, 0.4117



1.0981, 0.5114, 0.4321

Inverse Universe

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



14.6615, 0.1759, 0.1531



21.9173, 0.1754, 0.1513



4.7546, 0.1500, 0.0600



13.0048, 0.2982, 0.3168



9.2488, 0.1766, 0.1556



0.7233, 0.1854, 0.1874

Previews

White Background



This preview shows how the Yxy color 24.7222, 0.5393, 0.4100 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 24.7222, 0.5393, 0.4100 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 24.7222, 0.5393, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 24.7222, 0.5393, 0.4100.



This preview shows how white text looks on a background with the Yxy color 24.7222, 0.5393, 0.4100.

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

24.7222, 0.5393, 0.4100

Protanopia

24.8050, 0.4357, 0.4829

Deuteranopia

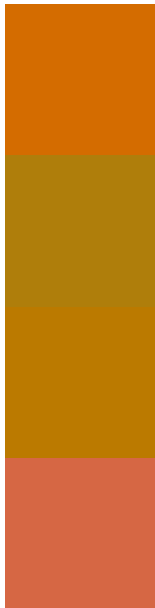
24.8495, 0.4710, 0.4642



Tritanopia

24.6230, 0.4596, 0.3212

Trichromacy



Original Color

24.7222, 0.5393, 0.4100

Protanomaly

24.0598, 0.4764, 0.4549

Deuteranomaly

24.4839, 0.4972, 0.4434

Tritanomaly

24.4140, 0.5060, 0.3674

Monochromacy



Original Color

24.7222, 0.5393, 0.4100

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2961, 0.4106, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7222, 0.5393, 0.4100 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 108, 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, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.7222, 0.5393, 0.4100 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, 108, 0) }
```

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

```
.border{ border-color:rgb(212, 108, 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, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7222, 0.5393, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 108, 0) }
```

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

```
.background{ background-color: rgb(212,  
108, 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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