

Converting Colors

$Y_{xy}(24.3110, 0.5266, 0.4200)$

Have a look what the booklet for
Yxy(24.3110, 0.5266, 0.4200)
contains.

Yxy(24.2849, 0.5264, 0.4202)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2849, 0.5264, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	CB7000
RGB	203, 112, 0
RGB Percent	80%, 44%, 0%
CMY	0.2039, 0.5608, 0.9997
CMYK	0.00, 0.45, 1.00, 0.20
HSL	33°, 100%, 40%
HSV	33°, 100%, 80%
XYZ	30.4226, 24.2849, 3.0862
YIQ	126.4410, 90.1880, -15.5400

Conversions

Conversions Part 2

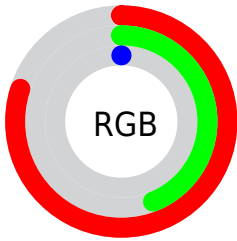
Format	Color
RYB	165, 203, 0
Decimal	13332480
CIELab	56.37, 30.08, 63.80
CIELCh	56, 70.533, 64.761
Yxy	24.2849, 0.5264, 0.4202
Android (android.graphics.Color)	4291522560 (0xFFFCB7000)
YUV	126.4410, -62.3354, 67.1422
Hunter-Lab	49.2797, 23.9566, 30.7827

Details

The Yxy color **24.2849, 0.5264, 0.4202** 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 **11.8066, 0.1722, 0.1400**, and the grayscale version is **21.2204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2162, 0.4810, 0.4177**, and **9.3058, 0.5538, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **24.2778, 0.5265, 0.4202**, and if you desaturate by 10%, it is **26.4494, 0.5084, 0.4254**.

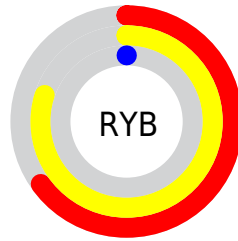
Distribution



Red (80%)

Green (44%)

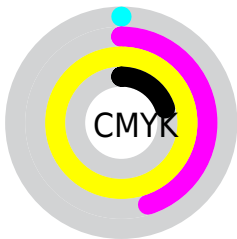
Blue (0%)



Red (65%)

Yellow (80%)

Blue (0%)

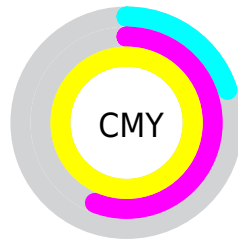


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2849, 0.5264, 0.4202 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 24.2849, 0.5264, 0.4202 by changing the saturation by 10% instead.


 24.2849, 0.5264,
0.4202


 24.2849, 0.5264,
0.4202


274.2577, 0.4180,
0.3877


 15.5451, 0.5490,
0.4202


 50.4947, 0.4893,
0.4137

 9.2028, 0.5804,
0.4196


 68.7335, 0.4744,
0.4095


 4.8737, 0.6003,
0.3997

 90.9074, 0.4615,
0.4053

 2.1734, 0.6306,
0.3694

 117.4009, 0.4504,
0.4013

 0.7054, 0.6858,
0.3142

 148.5982, 0.4407,
0.3975

 0.0000, 1.0000,
0.0000


 184.8839, 0.4322,


 0.0000, 0.0000,

0.3939


0.0000

 226.6422, 0.4247,
0.3907


 24.2849, 0.5264,
0.4202


 24.2849, 0.5264,
0.4202


 24.2778, 0.5265,
0.4202

 26.4494, 0.5084,
0.4254

 28.8758, 0.4871,
0.4258

 31.5895, 0.4632,
0.4211

 34.6055, 0.4380,
0.4121

 37.9375, 0.4129,
0.4001

■ 41.5978, 0.3890,
0.3863

■ 45.5977, 0.3668,
0.3717

■ 49.9480, 0.3466,
0.3569

■ 54.6587, 0.3286,
0.3426

Harmonies

Analogous

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



24.2849, 0.5420, 0.3421



24.2849, 0.5264, 0.4202



24.2849, 0.4515, 0.5029

Triad

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



24.2849, 0.5264, 0.4202



24.2849, 0.1642, 0.3716



24.2849, 0.2363, 0.1728

Complementary

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



24.2849, 0.5264, 0.4202



11.8066, 0.1722, 0.1400

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.



24.2849, 0.1630, 0.1622



24.2849, 0.5264, 0.4202



24.2849, 0.1273, 0.2481

Square

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



24.2849, 0.5264, 0.4202



24.2849, 0.2448, 0.5116



24.2849, 0.1284, 0.1832



24.2849, 0.3503, 0.2109

Rectangle

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



24.2849, 0.5264, 0.4202



24.2849, 0.3852, 0.5462



24.2849, 0.1284, 0.1832



24.2849, 0.2071, 0.1661

Sweetspot

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



24.2862, 0.5264, 0.4202



76.0472, 0.3677, 0.3723



13.4600, 0.5184, 0.2630



15.6519, 0.3770, 0.3786



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.



24.2862, 0.5264, 0.4202



40.2081, 0.5282, 0.4188



54.0283, 0.4106, 0.5122



12.2224, 0.3276, 0.3418



15.6351, 0.5246, 0.4217



0.9568, 0.4986, 0.4423

Inverse Universe

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



11.8066, 0.1722, 0.1400



19.3327, 0.1716, 0.1376



4.3794, 0.1514, 0.0608



11.6585, 0.2983, 0.3159



7.6850, 0.1729, 0.1424



0.5472, 0.1834, 0.1803

Previews

White Background



This preview shows how the Yxy color 24.2849, 0.5264, 0.4202 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 24.2849, 0.5264, 0.4202 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 24.2849, 0.5264, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 24.2849, 0.5264, 0.4202.



This preview shows how white text looks on a background with the Yxy color 24.2849, 0.5264, 0.4202.

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

24.2849, 0.5264, 0.4202

Protanopia

24.4211, 0.4361, 0.4831

Deuteranopia

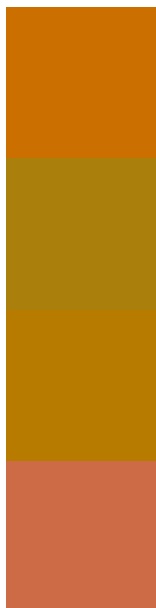
24.4712, 0.4714, 0.4639



Tritanopia

24.3359, 0.4410, 0.3194

Trichromacy



Original Color

24.2849, 0.5264, 0.4202

Protanomaly

23.8608, 0.4706, 0.4594

Deuteranomaly

24.2332, 0.4917, 0.4478

Tritanomaly

24.0921, 0.4909, 0.3714

Monochromacy



Original Color

24.2849, 0.5264, 0.4202

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1240, 0.4058, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2849, 0.5264, 0.4202 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(203, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2849, 0.5264, 0.4202 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(203, 112, 0) }
```

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

```
.border{ border-color:rgb(203, 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(203, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2849, 0.5264, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 112, 0) }
```

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

```
.background{ background-color: rgb(203,  
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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