

Converting Colors

$Y_{xy}(22.9271, 0.5466, 0.4042)$

Have a look what the booklet for
Yxy(22.9271, 0.5466, 0.4042)
contains.

Yxy(22.8627, 0.5469, 0.4040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8627, 0.5469, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	D16500
RGB	209, 101, 0
RGB Percent	82%, 40%, 0%
CMY	0.1804, 0.6039, 1.0000
CMYK	0.00, 0.52, 1.00, 0.18
HSL	29°, 100%, 41%
HSV	29°, 100%, 82%
XYZ	30.9495, 22.8627, 2.7786
YIQ	121.7780, 96.7890, -8.5150

Conversions

Conversions Part 2

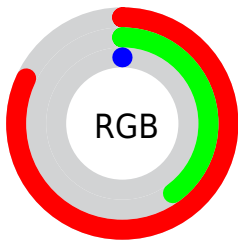
Format	Color
R_{YB}	209, 195, 0
Decimal	13722880
CIE _{Lab}	54.93, 38.25, 63.41
CIE _{LCh}	55, 74.056, 58.901
Yxy	22.8627, 0.5469, 0.4040
Android (android.graphics.Color)	4291912960 (0xFFD16500)
YUV	121.7780, -60.0366, 76.4937
Hunter-Lab	47.8150, 31.8628, 30.0250

Details

The Yxy color **22.8627, 0.5469, 0.4040** 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 **15.3302, 0.1784, 0.1621**, and the grayscale version is **19.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7529, 0.4917, 0.4094**, and **8.5707, 0.5811, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **22.8642, 0.5469, 0.4040**, and if you desaturate by 10%, it is **25.1550, 0.5260, 0.4109**.

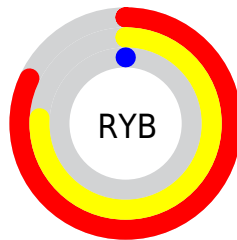
Distribution



Red (82%)

Green (40%)

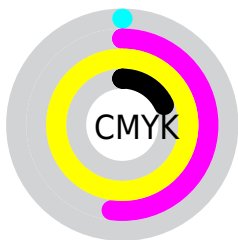
Blue (0%)



Red (82%)

Yellow (76%)

Blue (0%)

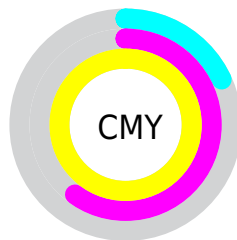


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8627, 0.5469, 0.4040 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 22.8627, 0.5469, 0.4040 by changing the saturation by 10% instead.


 22.8627, 0.5469,
0.4040


 22.8627, 0.5469,
0.4040


267.0190, 0.4267,
0.3822


 14.4922, 0.5724,
0.4005


 48.1678, 0.5054,
0.4021


 8.4638, 0.6061,
0.3939


 65.8711, 0.4889,
0.3994


 4.3931, 0.6313,
0.3687

 87.4542, 0.4746,
0.3964

 1.8958, 0.6695,
0.3305

 113.3013, 0.4623,
0.3933

 0.5459, 0.7471,
0.2529

 143.7970, 0.4517,
0.3903


 0.0000, 1.0000,
0.0000

 179.3256, 0.4423,

 0.0000, 0.0000,

0.3874


0.0000


 220.2714, 0.4340,
0.3847


 22.8627, 0.5469,
0.4040


 22.8627, 0.5469,
0.4040


 22.8642, 0.5469,
0.4040

 25.1550, 0.5260,
0.4109

 27.7898, 0.5015,
0.4130

 30.7978, 0.4741,
0.4098

 34.1988, 0.4457,
0.4024

 38.0105, 0.4180,
0.3919

■ 42.2493, 0.3921,
0.3797

■ 46.9302, 0.3685,
0.3667

■ 52.0676, 0.3474,
0.3537

■ 57.6749, 0.3289,
0.3410

Harmonies

Analogous

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



22.8627, 0.5499, 0.3249



22.8627, 0.5469, 0.4040



22.8627, 0.4746, 0.4925

Triad

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



22.8627, 0.5469, 0.4040



22.8627, 0.1678, 0.4057



22.8627, 0.2128, 0.1606

Complementary

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



22.8627, 0.5469, 0.4040



15.3302, 0.1784, 0.1621

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.



22.8627, 0.1455, 0.1552



22.8627, 0.5469, 0.4040



22.8627, 0.1218, 0.2620

Square

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



22.8627, 0.5469, 0.4040



22.8627, 0.2591, 0.5475



22.8627, 0.1168, 0.1835



22.8627, 0.3257, 0.1947

Rectangle

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



22.8627, 0.5469, 0.4040



22.8627, 0.4068, 0.5468



22.8627, 0.1168, 0.1835



22.8627, 0.1854, 0.1555

Sweetspot

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



22.8642, 0.5469, 0.4040



73.3341, 0.3692, 0.3672



14.7146, 0.4834, 0.2437



15.0102, 0.3790, 0.3727



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.



22.8642, 0.5469, 0.4040



35.4824, 0.5486, 0.4026



55.8167, 0.4253, 0.5005



12.7376, 0.3279, 0.3403



14.2918, 0.5446, 0.4058



0.9577, 0.5156, 0.4288

Inverse Universe

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



15.3302, 0.1784, 0.1621



23.6609, 0.1778, 0.1602



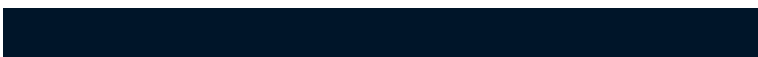
4.7551, 0.1505, 0.0618



12.4137, 0.2982, 0.3175



9.6499, 0.1790, 0.1645



0.6981, 0.1881, 0.1970

Previews

White Background



This preview shows how the Yxy color 22.8627, 0.5469, 0.4040 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 22.8627, 0.5469, 0.4040 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 22.8627, 0.5469, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 22.8627, 0.5469, 0.4040.



This preview shows how white text looks on a background with the Yxy color 22.8627, 0.5469, 0.4040.

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

22.8627, 0.5469, 0.4040

Protanopia

22.9391, 0.4357, 0.4814

Deuteranopia

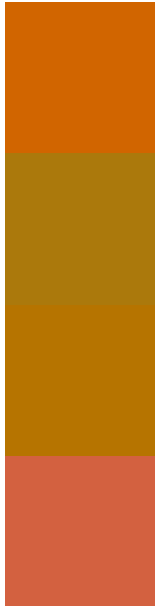
22.8827, 0.4716, 0.4637



Tritanopia

22.9226, 0.4706, 0.3224

Trichromacy



Original Color

22.8627, 0.5469, 0.4040

Protanomaly

22.3592, 0.4790, 0.4520

Deuteranomaly

22.4359, 0.5011, 0.4403

Tritanomaly

22.7684, 0.5139, 0.3650

Monochromacy



Original Color

22.8627, 0.5469, 0.4040

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4547, 0.4140, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8627, 0.5469, 0.4040 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(209, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 101, 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(209, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.8627, 0.5469, 0.4040 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(209, 101, 0) }
```

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

```
.border{ border-color:rgb(209, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8627, 0.5469, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 101, 0) }
```

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

```
.background{ background-color: rgb(209,  
101, 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