

Converting Colors

$Yxy(22.8916, 0.5439, 0.3924)$

Have a look what the booklet for
Yxy(22.8916, 0.5439, 0.3924)
contains.

Yxy(22.9953, 0.5433, 0.3928)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9953, 0.5433, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	D4631A
RGB	212, 99, 26
RGB Percent	83%, 39%, 10%
CMY	0.1685, 0.6118, 0.8979
CMYK	0.00, 0.53, 0.88, 0.17
HSL	24°, 78%, 47%
HSV	24°, 88%, 83%
XYZ	31.8059, 22.9953, 3.7408
YIQ	124.4650, 90.7810, 1.2530

Conversions

Conversions Part 2

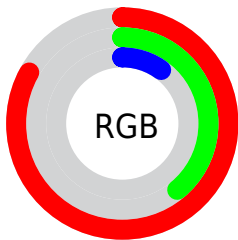
Format	Color
R_{YB}	212, 146, 26
Decimal	13919002
CIE _{Lab}	55.07, 40.81, 57.51
CIE _{LCh}	55, 70.518, 54.644
Yxy	22.9953, 0.5433, 0.3928
Android (android.graphics.Color)	4292109082 (0xFFD4631A)
YUV	124.4650, -48.5432, 76.7682
Hunter-Lab	47.9534, 34.4745, 28.9422

Details

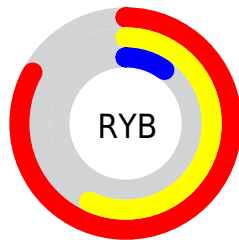
The Yxy color **22.9953, 0.5433, 0.3928** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **23.4600, 0.1947, 0.2119**, and the grayscale version is **20.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2810, 0.4842, 0.3980**, and **8.5979, 0.5884, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **20.6830, 0.5681, 0.3850**, and if you desaturate by 10%, it is **25.7680, 0.5135, 0.3955**.

Distribution



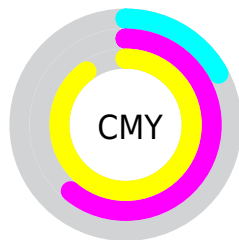
- Red (83%)
- Green (39%)
- Blue (10%)



- Red (83%)
- Yellow (57%)
- Blue (10%)



- Cyan (0%)
- Magenta (53%)
- Yellow (88%)
- Black (17%)





- Cyan (17%)
- Magenta (61%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9953, 0.5433, 0.3928 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 22.9953, 0.5433, 0.3928 by changing the saturation by 10% instead.


 22.9953, 0.5433,
0.3928


 22.9953, 0.5433,
0.3928

267.7009, 0.4224,
0.3744

 14.5900, 0.5707,
0.3897


 48.3856, 0.5003,
0.3913


 8.5322, 0.6072,
0.3835


 66.1394, 0.4837,
0.3890


 4.4373, 0.6391,
0.3609

 87.7783, 0.4694,
0.3864

 1.9211, 0.6786,
0.3214

 113.6865, 0.4573,
0.3838

 0.5610, 0.7555,
0.2445

 144.2484, 0.4467,
0.3813

 0.0000, 1.0000,
0.0000

 179.8485, 0.4375,

 0.0000, 0.0000,

0.3788

0.0000

220.8712, 0.4295,
0.3766

22.9953, 0.5433,
0.3928

22.9953, 0.5433,
0.3928

20.6830, 0.5681,
0.3850

25.7680, 0.5135,
0.3955

20.2132, 0.5734,
0.3829


29.0294, 0.4812,
0.3933

32.8077, 0.4487,
0.3871


37.1270, 0.4179,
0.3783

42.0100, 0.3899,
0.3681

 47.4778, 0.3652,
0.3574

 53.5501, 0.3437,
0.3467

 60.2458, 0.3252,
0.3365

 67.5830, 0.3093,
0.3269

Harmonies

Analogous

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



22.9953, 0.5321, 0.3166



22.9953, 0.5433, 0.3928



22.9953, 0.4829, 0.4767

Triad

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



22.9953, 0.5433, 0.3928



22.9953, 0.1846, 0.4241



22.9953, 0.2052, 0.1640

Complementary

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



22.9953, 0.5433, 0.3928



23.4600, 0.1947, 0.2119

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.



22.9953, 0.1453, 0.1632



22.9953, 0.5433, 0.3928



22.9953, 0.1325, 0.2820

Square

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



22.9953, 0.5433, 0.3928



22.9953, 0.2780, 0.5457



22.9953, 0.1220, 0.1971



22.9953, 0.3079, 0.1934

Rectangle

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



22.9953, 0.5433, 0.3928



22.9953, 0.4204, 0.5294



22.9953, 0.1220, 0.1971



22.9953, 0.1806, 0.1604

Sweetspot

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



22.9966, 0.5433, 0.3928



73.3724, 0.3619, 0.3558



16.6560, 0.4276, 0.2204



15.0507, 0.3700, 0.3596



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.



22.9966, 0.5433, 0.3928



30.3788, 0.5752, 0.3815



51.0446, 0.4353, 0.4848



13.2119, 0.3281, 0.3382



12.6572, 0.5708, 0.3849



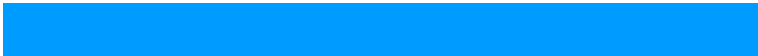
0.9222, 0.5390, 0.4103

Inverse Universe

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



23.4600, 0.1947, 0.2119



30.6550, 0.1868, 0.1923



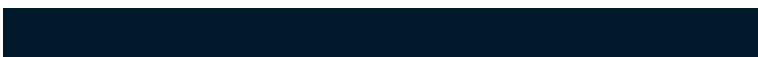
7.0664, 0.1602, 0.0847



13.2521, 0.2982, 0.3196



12.8019, 0.1878, 0.1959



0.9312, 0.1948, 0.2214

Previews

White Background



This preview shows how the Yxy color 22.9953, 0.5433, 0.3928 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 22.9953, 0.5433, 0.3928 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 22.9953, 0.5433, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 22.9953, 0.5433, 0.3928.



This preview shows how white text looks on a background with the Yxy color 22.9953, 0.5433, 0.3928.

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

22.9953, 0.5433, 0.3928

Protanopia

23.2860, 0.4273, 0.4719

Deuteranopia

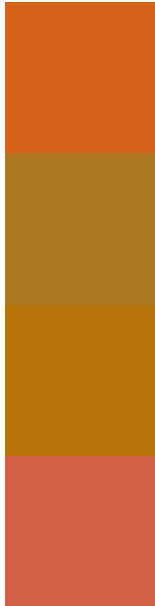
23.1372, 0.4701, 0.4649



Tritanopia

23.0022, 0.4766, 0.3215

Trichromacy



Original Color

22.9953, 0.5433, 0.3928

Protanomaly

22.5497, 0.4718, 0.4412

Deuteranomaly

22.5778, 0.4999, 0.4371

Tritanomaly

22.9484, 0.5094, 0.3543

Monochromacy



Original Color

22.9953, 0.5433, 0.3928

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0340, 0.4031, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9953, 0.5433, 0.3928 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, 99, 26)` looks like.

```
.text, #text, p{  
    color:rgb(212, 99, 26)  
}
```

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, 99, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 99, 26) }
```

Border

The CSS property to change the border of an element to Yxy 22.9953, 0.5433, 0.3928 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, 99, 26) }
```

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

```
.border{ border-color:rgb(212, 99, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 99, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 99, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 99, 26);  
box-shadow:4px 4px 4px 4px rgb(212, 99,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9953, 0.5433, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 99, 26) }
```

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

```
.background{ background-color: rgb(212, 99,  
26) }
```

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