

Converting Colors

$Y_{xy}(22.8300, 0.5332, 0.3934)$

Have a look what the booklet for
Yxy(22.8300, 0.5332, 0.3934)
contains.

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Color

Yxy(22.8328, 0.5330, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	D06522
RGB	208, 101, 34
RGB Percent	82%, 40%, 13%
CMY	0.1843, 0.6039, 0.8665
CMYK	0.00, 0.51, 0.84, 0.18
HSL	23°, 72%, 47%
HSV	23°, 84%, 82%
XYZ	30.9587, 22.8328, 4.2924
YIQ	125.3550, 85.2790, 1.8470

Conversions

Conversions Part 2

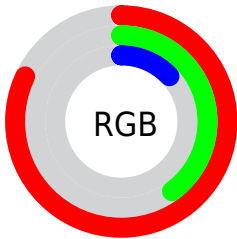
Format	Color
RYB	208, 143, 34
Decimal	13657378
CIELab	54.90, 38.42, 54.17
CIElCh	55, 66.413, 54.656
Yxy	22.8328, 0.5330, 0.3931
Android (android.graphics.Color)	4291847458 (0xFFD06522)
YUV	125.3550, -45.0380, 72.4797
Hunter-Lab	47.7837, 32.0276, 28.1226

Details

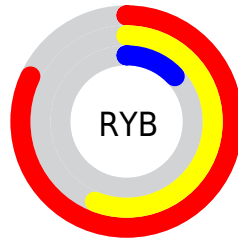
The Yxy color **22.8328, 0.5330, 0.3931** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **23.9664, 0.1985, 0.2204**, and the grayscale version is **20.7695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0271, 0.4780, 0.3954**, and **8.4842, 0.5829, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **20.4537, 0.5603, 0.3872**, and if you desaturate by 10%, it is **25.6740, 0.5015, 0.3938**.

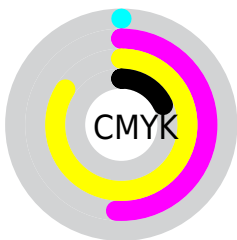
Distribution



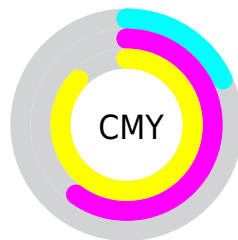
- Red (82%)
- Green (40%)
- Blue (13%)



- Red (82%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (84%)
- Black (18%)





- Cyan (18%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8328, 0.5330, 0.3931 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 22.8328, 0.5330, 0.3931 by changing the saturation by 10% instead.


 22.8328, 0.5330,
0.3931


 22.8328, 0.5330,
0.3931


266.8651, 0.4162,
0.3725


 14.4701, 0.5603,
0.3913


 48.1186, 0.4909,
0.3901

 8.4483, 0.5950,
0.3858


 65.8106, 0.4748,
0.3875

 4.3831, 0.6320,
0.3680

 87.3810, 0.4611,
0.3847

 1.8901, 0.6703,
0.3297

 113.2144, 0.4494,
0.3820

 0.5424, 0.7484,
0.2516

 143.6951, 0.4393,
0.3794

 0.0000, 1.0000,
0.0000

 179.2075, 0.4306,

 0.0000, 0.0000,

0.3769

0.0000

220.1360, 0.4229,
0.3746

22.8328, 0.5330,
0.3931

22.8328, 0.5330,
0.3931

20.4537, 0.5603,
0.3872

25.6740, 0.5015,
0.3938


19.1563, 0.5752,
0.3814

29.0015, 0.4685,
0.3899


32.8418, 0.4362,
0.3827


37.2178, 0.4063,
0.3734

42.1510, 0.3795,
0.3631

 47.6616, 0.3561,
0.3525

 53.7686, 0.3358,
0.3422

 60.4899, 0.3184,
0.3324

 67.8430, 0.3035,
0.3233

Harmonies

Analogous

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



22.8328, 0.5205, 0.3189



22.8328, 0.5330, 0.3931



22.8328, 0.4773, 0.4729

Triad

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



22.8328, 0.5330, 0.3931



22.8328, 0.1914, 0.4186



22.8328, 0.2103, 0.1706

Complementary

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



22.8328, 0.5330, 0.3931



23.9664, 0.1985, 0.2204

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.



22.8328, 0.1521, 0.1701



22.8328, 0.5330, 0.3931



22.8328, 0.1403, 0.2856

Square

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



22.8328, 0.5330, 0.3931



22.8328, 0.2815, 0.5318



22.8328, 0.1294, 0.2038



22.8328, 0.3088, 0.1991

Rectangle

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



22.8328, 0.5330, 0.3931



22.8328, 0.4181, 0.5213



22.8328, 0.1294, 0.2038



22.8328, 0.1866, 0.1672

Sweetspot

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



22.8341, 0.5330, 0.3931



74.0326, 0.3597, 0.3543



16.4919, 0.4203, 0.2206



15.1704, 0.3679, 0.3580



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.



22.8341, 0.5330, 0.3931



30.0192, 0.5773, 0.3799



49.3745, 0.4323, 0.4825



12.5434, 0.3281, 0.3380



12.1114, 0.5727, 0.3835



0.8291, 0.5385, 0.4106

Inverse Universe

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



23.9664, 0.1985, 0.2204



31.2908, 0.1875, 0.1950



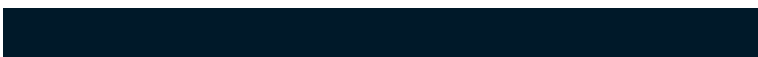
7.5663, 0.1644, 0.0930



12.6111, 0.2983, 0.3198



12.6458, 0.1885, 0.1987



0.8582, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 22.8328, 0.5330, 0.3931 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 22.8328, 0.5330, 0.3931 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 22.8328, 0.5330, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 22.8328, 0.5330, 0.3931.



This preview shows how white text looks on a background with the Yxy color 22.8328, 0.5330, 0.3931.

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

22.8328, 0.5330, 0.3931

Protanopia

22.9656, 0.4230, 0.4652

Deuteranopia

22.8361, 0.4639, 0.4563



Tritanopia

22.9729, 0.4673, 0.3223

Trichromacy



Original Color

22.8328, 0.5330, 0.3931

Protanomaly

22.3673, 0.4651, 0.4374

Deuteranomaly

22.3937, 0.4912, 0.4314

Tritanomaly

22.7868, 0.4976, 0.3522

Monochromacy



Original Color

22.8328, 0.5330, 0.3931

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2321, 0.3958, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8328, 0.5330, 0.3931 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(208, 101, 34)` looks like.

```
.text, #text, p{  
    color:rgb(208, 101, 34)  
}
```

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(208, 101, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 101, 34) }
```

Border

The CSS property to change the border of an element to Yxy 22.8328, 0.5330, 0.3931 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(208, 101, 34) }
```

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

```
.border{ border-color:rgb(208, 101, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 101, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 101, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 101, 34);  
box-shadow:4px 4px 4px 4px rgb(208, 101,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8328, 0.5330, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 101, 34) }
```

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

```
.background{ background-color: rgb(208,  
101, 34) }
```

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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