

Converting Colors

$Y_{xy}(22.6268, 0.5670, 0.3880)$

Have a look what the booklet for
Yxy(22.6268, 0.5670, 0.3880)
contains.

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Color

Yxy(22.5422, 0.5671, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	DB5B00
RGB	219, 91, 0
RGB Percent	86%, 36%, 0%
CMY	0.1412, 0.6431, 0.9998
CMYK	0.00, 0.58, 1.00, 0.14
HSL	25°, 100%, 43%
HSV	25°, 100%, 86%
XYZ	32.9561, 22.5422, 2.6151
YIQ	118.8980, 105.4990, -1.1650

Conversions

Conversions Part 2

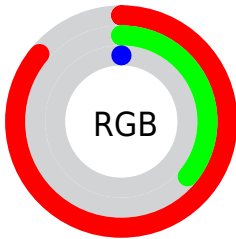
Format	Color
R_{YB}	219, 156, 0
Decimal	14375680
CIE Lab	54.60, 46.97, 64.02
CIE LCh	55, 79.397, 53.734
Yxy	22.5422, 0.5671, 0.3879
Android (android.graphics.Color)	4292565760 (0xFFDB5B00)
YUV	118.8980, -58.6167, 87.7895
Hunter-Lab	47.4786, 40.8138, 29.9694

Details

The Yxy color **22.5422, 0.5671, 0.3879** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **20.5650, 0.1848, 0.1853**, and the grayscale version is **18.5799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8810, 0.5011, 0.4014**, and **8.3911, 0.6083, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **22.5394, 0.5671, 0.3879**, and if you desaturate by 10%, it is **24.9799, 0.5439, 0.3963**.

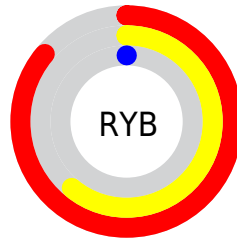
Distribution



Red (86%)

Green (36%)

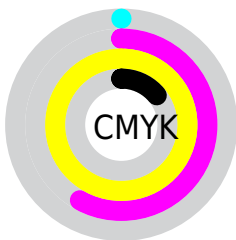
Blue (0%)



Red (86%)

Yellow (61%)

Blue (0%)

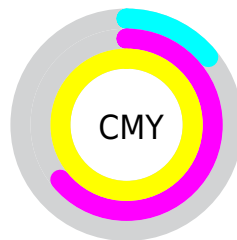


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5422, 0.5671, 0.3879 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 22.5422, 0.5671, 0.3879 by changing the saturation by 10% instead.


 22.5422, 0.5671,
0.3879


 22.5422, 0.5671,
0.3879


265.3648, 0.4364,
0.3771


 14.2558, 0.5948,
0.3811


 47.6405, 0.5220,
0.3906


 8.2988, 0.6305,
0.3695


 65.2213, 0.5040,
0.3895


 4.2867, 0.6598,
0.3402

 86.6689, 0.4885,
0.3877

 1.8352, 0.7033,
0.2967

 112.3679, 0.4751,
0.3856

 0.5090, 0.7889,
0.2111

 142.7026, 0.4635,
0.3834

 0.0000, 1.0000,
0.0000

 178.0574, 0.4533,


 0.0000, 0.0000,

0.3812


0.0000


 218.8167, 0.4443,
0.3791

 22.5422, 0.5671,
0.3879


 22.5422, 0.5671,
0.3879


 22.5394, 0.5671,
0.3879

 24.9799, 0.5439,
0.3963

 27.8728, 0.5162,
0.3999

 31.2600, 0.4853,
0.3982

 35.1690, 0.4537,
0.3924

 39.6246, 0.4232,
0.3835

■ 44.6499, 0.3952,
0.3730

■ 50.2661, 0.3701,
0.3617

■ 56.4933, 0.3481,
0.3503

■ 63.3506, 0.3291,
0.3393

Harmonies

Analogous

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



22.5422, 0.5571, 0.3083



22.5422, 0.5671, 0.3879



22.5422, 0.4968, 0.4805

Triad

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



22.5422, 0.5671, 0.3879



22.5422, 0.1710, 0.4428



22.5422, 0.1909, 0.1488

Complementary

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



22.5422, 0.5671, 0.3879



20.5650, 0.1848, 0.1853

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.



22.5422, 0.1292, 0.1482



22.5422, 0.5671, 0.3879



22.5422, 0.1161, 0.2770

Square

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



22.5422, 0.5671, 0.3879



22.5422, 0.2720, 0.5813



22.5422, 0.1056, 0.1837



22.5422, 0.3019, 0.1791

Rectangle

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



22.5422, 0.5671, 0.3879



22.5422, 0.4268, 0.5440



22.5422, 0.1056, 0.1837



22.5422, 0.1653, 0.1452

Sweetspot

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



22.5435, 0.5671, 0.3879



70.7256, 0.3708, 0.3620



16.7119, 0.4558, 0.2285



14.3966, 0.3811, 0.3668



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.



22.5435, 0.5671, 0.3879



31.5538, 0.5686, 0.3868



55.0432, 0.4382, 0.4902



13.9357, 0.3281, 0.3388



13.5689, 0.5645, 0.3900



1.0466, 0.5354, 0.4131

Inverse Universe

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



20.5650, 0.1848, 0.1853



28.7369, 0.1845, 0.1840



5.6864, 0.1517, 0.0660



13.8756, 0.2982, 0.3190



12.4115, 0.1854, 0.1876



0.9727, 0.1925, 0.2129

Previews

White Background



This preview shows how the Yxy color 22.5422, 0.5671, 0.3879 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 22.5422, 0.5671, 0.3879 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 22.5422, 0.5671, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 22.5422, 0.5671, 0.3879.



This preview shows how white text looks on a background with the Yxy color 22.5422, 0.5671, 0.3879.

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

22.5422, 0.5671, 0.3879

Protanopia

22.8526, 0.4338, 0.4812

Deuteranopia

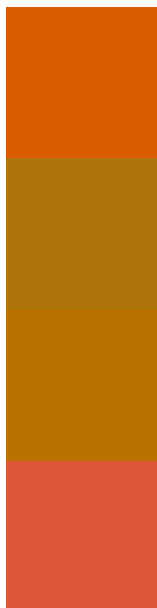
22.7742, 0.4705, 0.4646



Tritanopia

22.6073, 0.5008, 0.3243

Trichromacy



Original Color

22.5422, 0.5671, 0.3879

Protanomaly

21.7503, 0.4879, 0.4442

Deuteranomaly

22.1245, 0.5087, 0.4343

Tritanomaly

22.3274, 0.5395, 0.3578

Monochromacy



Original Color

22.5422, 0.5671, 0.3879

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4276, 0.4223, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5422, 0.5671, 0.3879 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(219, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 91, 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(219, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.5422, 0.5671, 0.3879 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(219, 91, 0) }
```

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

```
.border{ border-color:rgb(219, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 91, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.5422, 0.5671, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 91, 0) }
```

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

```
.background{ background-color: rgb(219, 91,  
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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