

Converting Colors

$Y_{xy}(22.7522, 0.5615, 0.3924)$

Have a look what the booklet for
Yxy(22.7522, 0.5615, 0.3924)
contains.

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Color

Yxy(22.7571, 0.5619, 0.3920)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D95E00 |
| RGB | 217, 94, 0 |
| RGB Percent | 85%, 37%, 0% |
| CMY | 0.1490, 0.6314, 0.9996 |
| CMYK | 0.00, 0.57, 1.00, 0.15 |
| HSL | 26°, 100%, 43% |
| HSV | 26°, 100%, 85% |
| XYZ | 32.6204, 22.7571, 2.6763 |
| YIQ | 120.0610, 103.4820, -3.1580 |

Conversions

Conversions Part 2

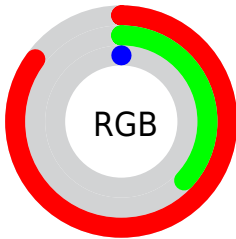
| Format | Color |
|-------------------------------------|---|
| RYB | 217, 166, 0 |
| Decimal | 14245376 |
| CIELab | 54.82, 44.81, 63.96 |
| CIELCh | 55, 78.088, 54.986 |
| Yxy | 22.7571, 0.5619, 0.3920 |
| Android (android.graphics.Color) | 4292435456 (0xFFD95E00) |
| YUV | 120.0610, -59.1901, 85.0155 |
| Hunter-Lab | 47.7044, 38.5763, 30.0668 |

Details

The Yxy color **22.7571, 0.5619, 0.3920** 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 **19.2066, 0.1831, 0.1792**, and the grayscale version is **18.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4976, 0.4991, 0.4033**, and **8.4559, 0.6018, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **22.7471, 0.5620, 0.3920**, and if you desaturate by 10%, it is **25.1814, 0.5393, 0.4000**.

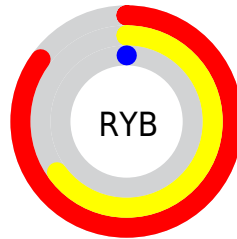
Distribution



Red (85%)

Green (37%)

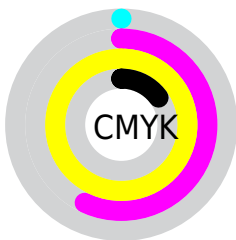
Blue (0%)



Red (85%)

Yellow (65%)

Blue (0%)

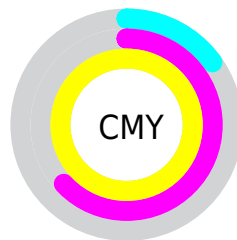


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7571, 0.5619, 0.3920 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 22.7571, 0.5619, 0.3920 by changing the saturation by 10% instead.


 22.7571, 0.5619,
0.3920


 22.7571, 0.5619,
0.3920


266.4749, 0.4340,
0.3784


 14.4143, 0.5890,
0.3860


 47.9942, 0.5177,
0.3935


 8.4093, 0.6242,
0.3758


 65.6572, 0.5002,
0.3920


 4.3580, 0.6524,
0.3476


 87.1957, 0.4850,
0.3900

 1.8758, 0.6945,
0.3055

 112.9942, 0.4719,
0.3876

 0.5337, 0.7763,
0.2237

 143.4369, 0.4605,
0.3852


 0.0000, 1.0000,
0.0000


 178.9084, 0.4506,


 0.0000, 0.0000,

0.3828


0.0000


 219.7929, 0.4418,
0.3806


 22.7571, 0.5619,
0.3920


 22.7571, 0.5619,
0.3920


 22.7471, 0.5620,
0.3920

 25.1814, 0.5393,
0.4000

 28.0329, 0.5123,
0.4033

 31.3483, 0.4823,
0.4012

 35.1530, 0.4515,
0.3949

 39.4699, 0.4218,
0.3857

■ 44.3201, 0.3943,
0.3747

■ 49.7233, 0.3696,
0.3629

■ 55.6979, 0.3479,
0.3511

■ 62.2616, 0.3290,
0.3397

Harmonies

Analogous

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



22.7571, 0.5552, 0.3125



22.7571, 0.5619, 0.3920



22.7571, 0.4912, 0.4836

Triad

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



22.7571, 0.5619, 0.3920



22.7571, 0.1703, 0.4330



22.7571, 0.1964, 0.1519

Complementary

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



22.7571, 0.5619, 0.3920



19.2066, 0.1831, 0.1792

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.



22.7571, 0.1333, 0.1500



22.7571, 0.5619, 0.3920



22.7571, 0.1176, 0.2731

Square

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



22.7571, 0.5619, 0.3920



22.7571, 0.2689, 0.5728



22.7571, 0.1085, 0.1837



22.7571, 0.3079, 0.1831

Rectangle

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



22.7571, 0.5619, 0.3920



22.7571, 0.4219, 0.5450



22.7571, 0.1085, 0.1837



22.7571, 0.1703, 0.1479

Sweetspot

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



22.7584, 0.5619, 0.3920



71.3889, 0.3704, 0.3633



16.2782, 0.4626, 0.2322



14.5523, 0.3806, 0.3684



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.



22.7584, 0.5619, 0.3920



32.4944, 0.5635, 0.3908



55.5695, 0.4349, 0.4929



13.9740, 0.3281, 0.3392



13.9701, 0.5595, 0.3939



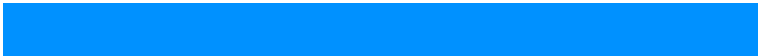
1.0742, 0.5312, 0.4165

Inverse Universe

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



19.2066, 0.1831, 0.1792



27.3544, 0.1827, 0.1778



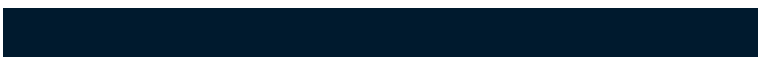
5.4495, 0.1513, 0.0647



13.8366, 0.2982, 0.3186



11.8319, 0.1838, 0.1815



0.9366, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 22.7571, 0.5619, 0.3920 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 22.7571, 0.5619, 0.3920 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 22.7571, 0.5619, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 22.7571, 0.5619, 0.3920.



This preview shows how white text looks on a background with the Yxy color 22.7571, 0.5619, 0.3920.

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

22.7571, 0.5619, 0.3920

Protanopia

22.9462, 0.4350, 0.4803

Deuteranopia

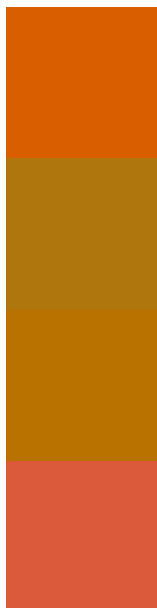
22.7742, 0.4705, 0.4646



Tritanopia

22.6668, 0.4930, 0.3230

Trichromacy



Original Color

22.7571, 0.5619, 0.3920

Protanomaly

21.9846, 0.4865, 0.4455

Deuteranomaly

22.3489, 0.5072, 0.4355

Tritanomaly

22.5335, 0.5327, 0.3598

Monochromacy



Original Color

22.7571, 0.5619, 0.3920

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.8592, 0.4205, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7571, 0.5619, 0.3920 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(217, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 94, 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(217, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.7571, 0.5619, 0.3920 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(217, 94, 0) }
```

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

```
.border{ border-color:rgb(217, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.7571, 0.5619, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 94, 0) }
```

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

```
.background{ background-color: rgb(217, 94,  
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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