

Converting Colors

$Y_{xy}(22.4901, 0.5717, 0.3980)$

Have a look what the booklet for
Yxy(22.4901, 0.5717, 0.3980)
contains.

Yxy(22.5804, 0.5632, 0.3910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5804, 0.5632, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	D95D00
RGB	217, 93, 0
RGB Percent	85%, 36%, 0%
CMY	0.1491, 0.6352, 0.9999
CMYK	0.00, 0.57, 1.00, 0.15
HSL	26°, 100%, 43%
HSV	26°, 100%, 85%
XYZ	32.5250, 22.5804, 2.6450
YIQ	119.4740, 103.7570, -2.6350

Conversions

Conversions Part 2

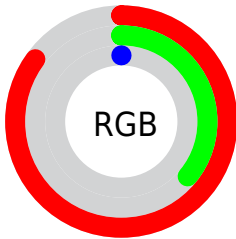
Format	Color
R_{YB}	217, 163, 0
Decimal	14245120
CIE Lab	54.64, 45.26, 63.87
CIE LCh	55, 78.275, 54.679
Yxy	22.5804, 0.5632, 0.3910
Android (android.graphics.Color)	4292435200 (0xFFD95D00)
YUV	119.4740, -58.9007, 85.5303
Hunter-Lab	47.5188, 39.0192, 29.9630

Details

The Yxy color **22.5804, 0.5632, 0.3910** 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 **19.4200, 0.1835, 0.1807**, and the grayscale version is **18.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1879, 0.5001, 0.4023**, and **8.3876, 0.6032, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **22.5784, 0.5632, 0.3910**, and if you desaturate by 10%, it is **24.9948, 0.5404, 0.3991**.

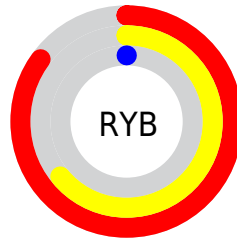
Distribution



Red (85%)

Green (36%)

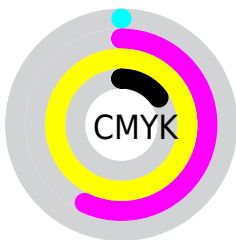
Blue (0%)



Red (85%)

Yellow (64%)

Blue (0%)

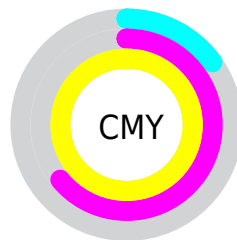


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5804, 0.5632, 0.3910 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 22.5804, 0.5632, 0.3910 by changing the saturation by 10% instead.


 22.5804, 0.5632,
0.3910


 22.5804, 0.5632,
0.3910


265.5625, 0.4345,
0.3780


 14.2840, 0.5905,
0.3848


 47.7034, 0.5187,
0.3928

 8.3184, 0.6259,
0.3741


 65.2988, 0.5010,
0.3914


 4.2994, 0.6544,
0.3456

 86.7627, 0.4858,
0.3894

 1.8424, 0.6970,
0.3030

 112.4794, 0.4726,
0.3871

 0.5134, 0.7817,
0.2183

 142.8333, 0.4612,
0.3848

 0.0000, 1.0000,
0.0000

 178.2088, 0.4511,


 0.0000, 0.0000,

0.3824

0.0000

 218.9904, 0.4423,
0.3802


 22.5804, 0.5632,
0.3910


 22.5804, 0.5632,
0.3910


 22.5784, 0.5632,
0.3910

 24.9948, 0.5404,
0.3991

 27.8404, 0.5133,
0.4024

 31.1545, 0.4831,
0.4005

 34.9628, 0.4521,
0.3943

 39.2886, 0.4222,
0.3852

■ 44.1531, 0.3946,
0.3743

■ 49.5765, 0.3698,
0.3627

■ 55.5774, 0.3480,
0.3510

■ 62.1737, 0.3290,
0.3397

Harmonies

Analogous

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



22.5804, 0.5557, 0.3115



22.5804, 0.5632, 0.3910



22.5804, 0.4926, 0.4829

Triad

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



22.5804, 0.5632, 0.3910



22.5804, 0.1704, 0.4354



22.5804, 0.1950, 0.1511

Complementary

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



22.5804, 0.5632, 0.3910



19.4200, 0.1835, 0.1807

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.



22.5804, 0.1322, 0.1496



22.5804, 0.5632, 0.3910



22.5804, 0.1172, 0.2740

Square

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



22.5804, 0.5632, 0.3910



22.5804, 0.2697, 0.5750



22.5804, 0.1077, 0.1837



22.5804, 0.3064, 0.1821

Rectangle

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



22.5804, 0.5632, 0.3910



22.5804, 0.4231, 0.5448



22.5804, 0.1077, 0.1837



22.5804, 0.1691, 0.1472

Sweetspot

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



22.5817, 0.5632, 0.3910



71.2281, 0.3705, 0.3630



16.2705, 0.4627, 0.2323



14.5145, 0.3807, 0.3680



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.



22.5817, 0.5632, 0.3910



32.2627, 0.5647, 0.3898



55.5488, 0.4349, 0.4929



13.9647, 0.3281, 0.3391



13.8714, 0.5607, 0.3930



1.0674, 0.5322, 0.4157

Inverse Universe

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



19.4200, 0.1835, 0.1807



27.6835, 0.1831, 0.1793



5.4450, 0.1513, 0.0647



13.8461, 0.2982, 0.3187



11.9699, 0.1842, 0.1829



0.9453, 0.1914, 0.2090

Previews

White Background



This preview shows how the Yxy color 22.5804, 0.5632, 0.3910 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 22.5804, 0.5632, 0.3910 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 22.5804, 0.5632, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 22.5804, 0.5632, 0.3910.



This preview shows how white text looks on a background with the Yxy color 22.5804, 0.5632, 0.3910.

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

22.5804, 0.5632, 0.3910

Protanopia

22.8526, 0.4338, 0.4812

Deuteranopia

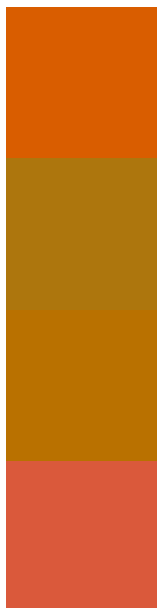
22.7742, 0.4705, 0.4646



Tritanopia

22.6492, 0.4945, 0.3241

Trichromacy



Original Color

22.5804, 0.5632, 0.3910

Protanomaly

21.8702, 0.4854, 0.4463

Deuteranomaly

22.1245, 0.5087, 0.4343

Tritanomaly

22.3660, 0.5338, 0.3588

Monochromacy



Original Color

22.5804, 0.5632, 0.3910

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.6422, 0.4214, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5804, 0.5632, 0.3910 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 93, 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, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.5804, 0.5632, 0.3910 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, 93, 0) }
```

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

```
.border{ border-color:rgb(217, 93, 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, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.5804, 0.5632, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 93, 0) }
```

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

```
.background{ background-color: rgb(217, 93,  
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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