

Converting Colors

$Y_{xy}(22.6729, 0.5541, 0.3899)$

Have a look what the booklet for
Yxy(22.6729, 0.5541, 0.3899)
contains.

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Color

Yxy(22.6752, 0.5542, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	D75F12
RGB	215, 95, 18
RGB Percent	84%, 37%, 7%
CMY	0.1568, 0.6275, 0.9293
CMYK	0.00, 0.56, 0.92, 0.16
HSL	23°, 85%, 46%
HSV	23°, 92%, 84%
XYZ	32.2303, 22.6752, 3.2509
YIQ	122.1020, 96.2370, 1.4930

Conversions

Conversions Part 2

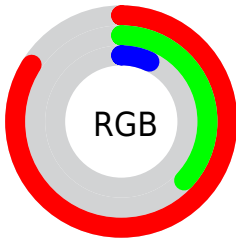
Format	Color
RYB	215, 144, 18
Decimal	14114578
CIELab	54.74, 43.77, 59.91
CIELCh	55, 74.199, 53.849
Yxy	22.6752, 0.5542, 0.3899
Android (android.graphics.Color)	4292304658 (0xFFD75F12)
YUV	122.1020, -51.3223, 81.4715
Hunter-Lab	47.6185, 37.4844, 29.2852

Details

The Yxy color **22.6752, 0.5542, 0.3899** 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 **23.2269, 0.1921, 0.2065**, and the grayscale version is **19.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9208, 0.4922, 0.3984**, and **8.5001, 0.5982, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **20.7925, 0.5739, 0.3825**, and if you desaturate by 10%, it is **25.3444, 0.5261, 0.3948**.

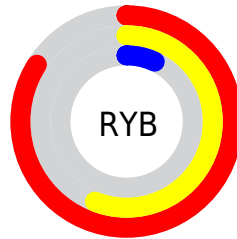
Distribution



Red (84%)

Green (37%)

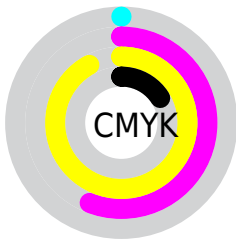
Blue (7%)



Red (84%)

Yellow (56%)

Blue (7%)

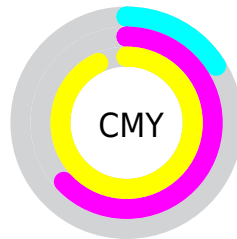


Cyan (0%)

Magenta (56%)

Yellow (92%)

Black (16%)



Cyan (16%)


Magenta (63%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6752, 0.5542, 0.3899 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 22.6752, 0.5542, 0.3899 by changing the saturation by 10% instead.

 22.6752, 0.5542,
0.3899


 22.6752, 0.5542,
0.3899


266.0523, 0.4284,
0.3750


 14.3539, 0.5820,
0.3851


 47.8595, 0.5099,
0.3903

 8.3672, 0.6216,
0.3784


 65.4912, 0.4926,
0.3885


 4.3308, 0.6495,
0.3505

 86.9951, 0.4778,
0.3863

 1.8603, 0.6912,
0.3088

 112.7557, 0.4650,
0.3840

 0.5243, 0.7739,
0.2261

 143.1573, 0.4540,
0.3816

 0.0000, 1.0000,
0.0000


 178.5844, 0.4443,


 0.0000, 0.0000,


0.3793

0.0000

 219.4212, 0.4358,
0.3771


 22.6752, 0.5542,
0.3899

 22.6752, 0.5542,
0.3899


 20.7925, 0.5739,
0.3825

 25.3444, 0.5261,
0.3948

 28.5087, 0.4944,
0.3944

 32.1985, 0.4616,
0.3897

 36.4401, 0.4299,
0.3818

 41.2576, 0.4006,
0.3721

■ 46.6735, 0.3745,
0.3615

■ 52.7089, 0.3518,
0.3508

■ 59.3837, 0.3321,
0.3404

■ 66.7171, 0.3152,
0.3305

Harmonies

Analogous

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



22.6752, 0.5422, 0.3121



22.6752, 0.5542, 0.3899



22.6752, 0.4904, 0.4776

Triad

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



22.6752, 0.5542, 0.3899



22.6752, 0.1797, 0.4341



22.6752, 0.1979, 0.1571

Complementary

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



22.6752, 0.5542, 0.3899



23.2269, 0.1921, 0.2065

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.



22.6752, 0.1376, 0.1568



22.6752, 0.5542, 0.3899



22.6752, 0.1257, 0.2815

Square

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



22.6752, 0.5542, 0.3899



22.6752, 0.2770, 0.5618



22.6752, 0.1146, 0.1920



22.6752, 0.3037, 0.1866

Rectangle

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



22.6752, 0.5542, 0.3899



22.6752, 0.4249, 0.5352



22.6752, 0.1146, 0.1920



22.6752, 0.1731, 0.1536

Sweetspot

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



22.6765, 0.5542, 0.3899



72.4256, 0.3642, 0.3568



16.7621, 0.4345, 0.2211



14.8630, 0.3723, 0.3605



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.



22.6765, 0.5542, 0.3899



30.3041, 0.5756, 0.3812



52.2090, 0.4377, 0.4862



13.2087, 0.3281, 0.3382



12.6262, 0.5713, 0.3846



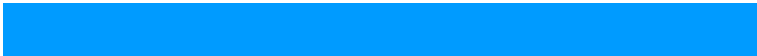
0.9202, 0.5393, 0.4100

Inverse Universe

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



23.2269, 0.1921, 0.2065



30.7851, 0.1869, 0.1929



6.6221, 0.1569, 0.0781



13.2553, 0.2982, 0.3197



12.8545, 0.1879, 0.1964



0.9342, 0.1950, 0.2218

Previews

White Background



This preview shows how the Yxy color 22.6752, 0.5542, 0.3899 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 22.6752, 0.5542, 0.3899 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 22.6752, 0.5542, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 22.6752, 0.5542, 0.3899.



This preview shows how white text looks on a background with the Yxy color 22.6752, 0.5542, 0.3899.

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

22.6752, 0.5542, 0.3899

Protanopia

22.8823, 0.4309, 0.4769

Deuteranopia

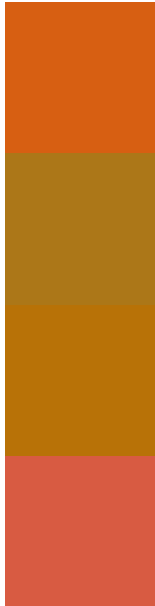
22.7742, 0.4705, 0.4646



Tritanopia

22.7046, 0.4881, 0.3240

Trichromacy



Original Color

22.6752, 0.5542, 0.3899

Protanomaly

22.0303, 0.4787, 0.4435

Deuteranomaly

22.2403, 0.5044, 0.4344

Tritanomaly

22.4744, 0.5223, 0.3552

Monochromacy



Original Color

22.6752, 0.5542, 0.3899

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2964, 0.4106, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6752, 0.5542, 0.3899 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(215, 95, 18)` looks like.

```
.text, #text, p{  
    color:rgb(215, 95, 18)  
}
```

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(215, 95, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 95, 18) }
```

Border

The CSS property to change the border of an element to Yxy 22.6752, 0.5542, 0.3899 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(215, 95, 18) }
```

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

```
.border{ border-color:rgb(215, 95, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 95, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 95, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 95, 18);  
box-shadow:4px 4px 4px 4px rgb(215, 95,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6752, 0.5542, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 95, 18) }
```

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

```
.background{ background-color: rgb(215, 95,  
18) }
```

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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