

Converting Colors

$Y_{xy}(22.5197, 0.5310, 0.3655)$

Have a look what the booklet for
Yxy(22.5197, 0.5310, 0.3655)
contains.

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Color

Yxy(22.3869, 0.5313, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	D75C38
RGB	215, 92, 56
RGB Percent	84%, 36%, 22%
CMY	0.1568, 0.6392, 0.7804
CMYK	0.00, 0.57, 0.74, 0.16
HSL	14°, 67%, 53%
HSV	14°, 74%, 84%
XYZ	32.5689, 22.3869, 6.3446
YIQ	124.6730, 84.8640, 14.8800

Conversions

Conversions Part 2

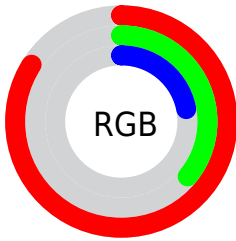
Format	Color
RYB	215, 103, 56
Decimal	14113848
CIELab	54.44, 46.28, 43.90
CIELCh	54, 63.794, 43.487
Yxy	22.3869, 0.5313, 0.3652
Android (android.graphics.Color)	4292303928 (0xFFD75C38)
YUV	124.6730, -33.8558, 79.2168
Hunter-Lab	47.3148, 40.0686, 25.1700

Details

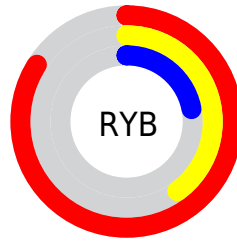
The Yxy color **22.3869, 0.5313, 0.3652** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **37.9937, 0.2174, 0.2752**, and the grayscale version is **20.4866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8377, 0.4674, 0.3703**, and **8.1761, 0.5999, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **19.6490, 0.5692, 0.3623**, and if you desaturate by 10%, it is **25.8503, 0.4908, 0.3644**.

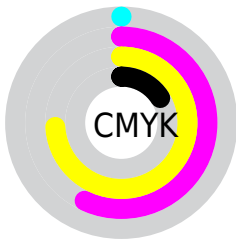
Distribution



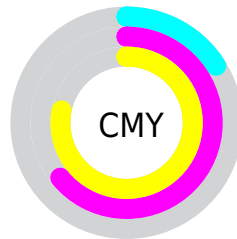
- Red (84%)
- Green (36%)
- Blue (22%)



- Red (84%)
- Yellow (40%)
- Blue (22%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (16%)




- Cyan (16%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3869, 0.5313, 0.3652 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 22.3869, 0.5313, 0.3652 by changing the saturation by 10% instead.


 22.3869, 0.5313,
0.3652


 22.3869, 0.5313,
0.3652


264.5602, 0.4119,
0.3568


 14.1415, 0.5618,
0.3619


 47.3846, 0.4867,
0.3657

 8.2191, 0.5997,
0.3536


 64.9057, 0.4701,
0.3647


 4.2355, 0.6583,
0.3417

 86.2875, 0.4563,
0.3634

 1.8061, 0.7018,
0.2982

 111.9143, 0.4446,
0.3621

 0.4910, 0.7898,
0.2102

 142.1706, 0.4346,
0.3607

 0.0000, 1.0000,
0.0000

 177.4407, 0.4260,

 0.0000, 0.0000,

0.3593

0.0000

218.1091, 0.4185,
0.3580

■ 22.3869, 0.5313,
0.3652

■ 22.3869, 0.5313,
0.3652

■ 19.6490, 0.5692,
0.3623

■ 25.8503, 0.4908,
0.3644

■ 17.5784, 0.5997,
0.3555


■ 30.0837, 0.4516,
0.3609


■ 16.6194, 0.6141,
0.3506

■ 35.1324, 0.4161,
0.3557

■ 41.0370, 0.3853,
0.3496

■ 47.8351, 0.3591,
0.3432

 55.5623, 0.3372,
0.3371

 64.2521, 0.3190,
0.3312

 73.9364, 0.3039,
0.3258

 84.6454, 0.2914,
0.3208

Harmonies

Analogous

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



22.3869, 0.4889, 0.2945



22.3869, 0.5313, 0.3652



22.3869, 0.4996, 0.4416

Triad

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



22.3869, 0.5313, 0.3652



22.3869, 0.2247, 0.4642



22.3869, 0.1875, 0.1709

Complementary

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



22.3869, 0.5313, 0.3652



37.9937, 0.2174, 0.2752

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.



22.3869, 0.1439, 0.1821



22.3869, 0.5313, 0.3652



22.3869, 0.1586, 0.3313

Square

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



22.3869, 0.5313, 0.3652



22.3869, 0.3210, 0.5397



22.3869, 0.1337, 0.2311



22.3869, 0.2692, 0.1889

Rectangle

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



22.3869, 0.5313, 0.3652



22.3869, 0.4501, 0.4922



22.3869, 0.1337, 0.2311



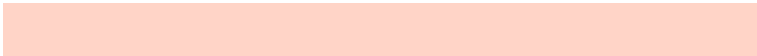
22.3869, 0.1690, 0.1711

Sweetspot

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



22.3882, 0.5313, 0.3652



72.2664, 0.3550, 0.3421



20.5953, 0.3636, 0.1984



14.8392, 0.3615, 0.3439



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.



22.3882, 0.5313, 0.3652



26.9982, 0.5884, 0.3588



43.4693, 0.4470, 0.4507



12.8723, 0.3285, 0.3343



10.0711, 0.6117, 0.3525



0.7342, 0.5777, 0.3795

Inverse Universe

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



37.9937, 0.2174, 0.2752



50.4730, 0.2077, 0.2619



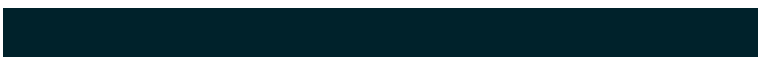
15.0644, 0.1858, 0.1509



13.6088, 0.2982, 0.3236



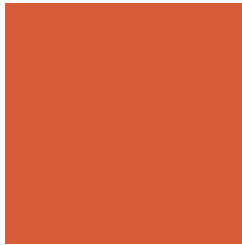
19.4835, 0.2041, 0.2547



1.2947, 0.2081, 0.2690

Previews

White Background



This preview shows how the Yxy color 22.3869, 0.5313, 0.3652 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 22.3869, 0.5313, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

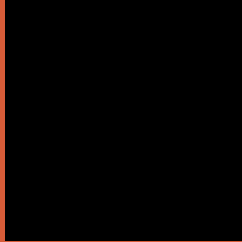
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3869, 0.5313, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 22.3869, 0.5313, 0.3652.



This preview shows how white text looks on a background with the Yxy color 22.3869, 0.5313, 0.3652.

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

22.3869, 0.5313, 0.3652

Protanopia

22.5792, 0.3975, 0.4344

Deuteranopia

22.4152, 0.4464, 0.4380



Tritanopia

22.5215, 0.4903, 0.3240

Trichromacy



Original Color

22.3869, 0.5313, 0.3652

Protanomaly

21.6388, 0.4480, 0.4062

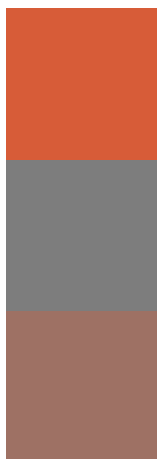
Deuteranomaly

21.7724, 0.4806, 0.4074

Tritanomaly

22.3229, 0.5067, 0.3392

Monochromacy



Original Color

22.3869, 0.5313, 0.3652

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9995, 0.3910, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3869, 0.5313, 0.3652 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, 92, 56)` looks like.

```
.text, #text, p{  
    color:rgb(215, 92, 56)  
}
```

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, 92, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 92, 56) }
```

Border

The CSS property to change the border of an element to Yxy 22.3869, 0.5313, 0.3652 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, 92, 56) }
```

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

```
.border{ border-color:rgb(215, 92, 56) }
```

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

Here you see how a box with a 4 pixel rgb(215, 92, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 92, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 92, 56);  
box-shadow:4px 4px 4px 4px rgb(215, 92,  
56) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.3869, 0.5313, 0.3652$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 92, 56) }
```

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

```
.background{ background-color: rgb(215, 92,  
56) }
```

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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