

Converting Colors

$Y_{xy}(22.9737, 0.5258, 0.3723)$

Have a look what the booklet for
Yxy(22.9737, 0.5258, 0.3723)
contains.

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Color

Yxy(22.9714, 0.5251, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	D56137
RGB	213, 97, 55
RGB Percent	84%, 38%, 22%
CMY	0.1646, 0.6196, 0.7844
CMYK	0.00, 0.54, 0.74, 0.16
HSL	16°, 65%, 53%
HSV	16°, 74%, 84%
XYZ	32.4081, 22.9714, 6.3384
YIQ	126.8960, 82.6180, 11.5300

Conversions

Conversions Part 2

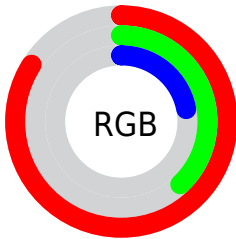
Format	Color
R_{YB}	213, 112, 55
Decimal	13984055
CIE _{Lab}	55.04, 43.09, 44.98
CIE _{LCh}	55, 62.285, 46.227
Yxy	22.9714, 0.5251, 0.3722
Android (android.graphics.Color)	4292174135 (0xFFD56137)
YUV	126.8960, -35.4447, 75.5132
Hunter-Lab	47.9285, 36.8225, 25.7090

Details

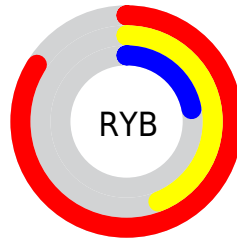
The Yxy color **22.9714, 0.5251, 0.3722** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **34.7452, 0.2148, 0.2651**, and the grayscale version is **21.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0722, 0.4653, 0.3753**, and **8.5653, 0.5904, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **20.2001, 0.5615, 0.3695**, and if you desaturate by 10%, it is **26.4031, 0.4864, 0.3709**.

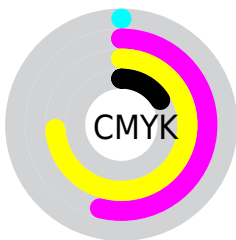
Distribution



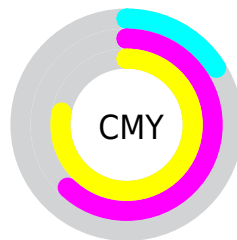
- Red (84%)
- Green (38%)
- Blue (22%)



- Red (84%)
- Yellow (44%)
- Blue (22%)



- Cyan (0%)
- Magenta (54%)
- Yellow (74%)
- Black (16%)




- Cyan (16%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9714, 0.5251, 0.3722 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 22.9714, 0.5251, 0.3722 by changing the saturation by 10% instead.


 22.9714, 0.5251,
0.3722


 22.9714, 0.5251,
0.3722


267.5781, 0.4097,
0.3598


 14.5724, 0.5543,
0.3700


 48.3464, 0.4821,
0.3711

 8.5198, 0.5905,
0.3633


 66.0911, 0.4662,
0.3696


 4.4293, 0.6464,
0.3536

 87.7199, 0.4528,
0.3678

 1.9165, 0.6871,
0.3129

 113.6171, 0.4415,
0.3661

 0.5583, 0.7654,
0.2346

 144.1671, 0.4318,
0.3644

 0.0000, 1.0000,
0.0000

 179.7544, 0.4234,

 0.0000, 0.0000,

0.3627

0.0000

220.7632, 0.4161,
0.3612

■ 22.9714, 0.5251,
0.3722

■ 22.9714, 0.5251,
0.3722

■ 20.2001, 0.5615,
0.3695

■ 26.4031, 0.4864,
0.3709

■ 18.0394, 0.5916,
0.3624

■ 30.5323, 0.4488,
0.3666

■ 17.0378, 0.6057,
0.3572

■ 35.3977, 0.4146,
0.3604

■ 41.0339, 0.3847,
0.3532

■ 47.4732, 0.3591,
0.3458

■ 54.7460, 0.3375,
0.3386

■ 62.8812, 0.3194,
0.3317

■ 71.9060, 0.3043,
0.3254

■ 81.8468, 0.2916,
0.3195

Harmonies

Analogous

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



22.9714, 0.4903, 0.3021



22.9714, 0.5251, 0.3722



22.9714, 0.4898, 0.4471

Triad

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



22.9714, 0.5251, 0.3722



22.9714, 0.2202, 0.4483



22.9714, 0.1965, 0.1751

Complementary

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



22.9714, 0.5251, 0.3722



34.7452, 0.2148, 0.2651

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.



22.9714, 0.1503, 0.1835



22.9714, 0.5251, 0.3722



22.9714, 0.1589, 0.3208

Square

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



22.9714, 0.5251, 0.3722



22.9714, 0.3128, 0.5300



22.9714, 0.1375, 0.2280



22.9714, 0.2799, 0.1952

Rectangle

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



22.9714, 0.5251, 0.3722



22.9714, 0.4399, 0.4949



22.9714, 0.1375, 0.2280



22.9714, 0.1771, 0.1745

Sweetspot

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



22.9727, 0.5251, 0.3722



73.3774, 0.3545, 0.3444



19.9164, 0.3713, 0.2031



15.0978, 0.3609, 0.3464



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.



22.9727, 0.5251, 0.3722



28.3860, 0.5798, 0.3660



44.5066, 0.4423, 0.4560



12.9524, 0.3284, 0.3353



10.5498, 0.6032, 0.3592



0.7727, 0.5687, 0.3866

Inverse Universe

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



34.7452, 0.2148, 0.2651



46.3502, 0.2043, 0.2494



13.7103, 0.1836, 0.1428



13.5233, 0.2982, 0.3227



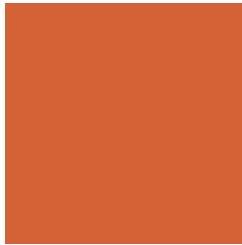
17.7117, 0.2003, 0.2409



1.2007, 0.2050, 0.2579

Previews

White Background



This preview shows how the Yxy color 22.9714, 0.5251, 0.3722 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 22.9714, 0.5251, 0.3722 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 22.9714, 0.5251, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 22.9714, 0.5251, 0.3722.



This preview shows how white text looks on a background with the Yxy color 22.9714, 0.5251, 0.3722.

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

22.9714, 0.5251, 0.3722

Protanopia

23.0069, 0.4011, 0.4376

Deuteranopia

23.1344, 0.4464, 0.4392



Tritanopia

22.9832, 0.4781, 0.3226

Trichromacy



Original Color

22.9714, 0.5251, 0.3722

Protanomaly

22.0875, 0.4479, 0.4114

Deuteranomaly

22.4456, 0.4769, 0.4114

Tritanomaly

22.9107, 0.4977, 0.3429

Monochromacy



Original Color

22.9714, 0.5251, 0.3722

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6995, 0.3879, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9714, 0.5251, 0.3722 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(213, 97, 55)` looks like.

```
.text, #text, p{  
    color:rgb(213, 97, 55)  
}
```

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(213, 97, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 97, 55) }
```

Border

The CSS property to change the border of an element to Yxy 22.9714, 0.5251, 0.3722 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(213, 97, 55) }
```

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

```
.border{ border-color:rgb(213, 97, 55) }
```

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

Here you see how a box with a 4 pixel rgb(213, 97, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 97, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 97, 55);  
box-shadow:4px 4px 4px 4px rgb(213, 97,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9714, 0.5251, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 97, 55) }
```

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

```
.background{ background-color: rgb(213, 97,  
55) }
```

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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