

Converting Colors

$Y_{xy}(22.2688, 0.5238, 0.3707)$

Have a look what the booklet for
Yxy(22.2688, 0.5238, 0.3707)
contains.

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Color

Yxy(22.1716, 0.5237, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	D25F38
RGB	210, 95, 56
RGB Percent	82%, 37%, 22%
CMY	0.1765, 0.6274, 0.7803
CMYK	0.00, 0.55, 0.73, 0.18
HSL	15°, 63%, 52%
HSV	15°, 73%, 82%
XYZ	31.3818, 22.1716, 6.3698
YIQ	124.9390, 81.0590, 12.2510

Conversions

Conversions Part 2

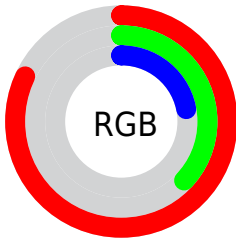
Format	Color
R _Y B	210, 108, 56
Decimal	13786936
CIE Lab	54.21, 42.96, 43.41
CIE LCh	54, 61.071, 45.300
Yxy	22.1716, 0.5237, 0.3700
Android (android.graphics.Color)	4291977016 (0xFFD25F38)
YUV	124.9390, -33.9869, 74.5985
Hunter-Lab	47.0867, 36.5628, 24.9400

Details

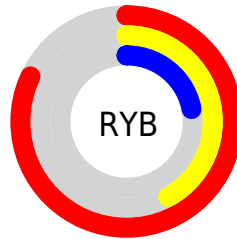
The Yxy color **22.1716, 0.5237, 0.3700** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **34.6164, 0.2163, 0.2691**, and the grayscale version is **20.5854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4597, 0.4659, 0.3723**, and **8.1348, 0.5903, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **19.4617, 0.5609, 0.3676**, and if you desaturate by 10%, it is **25.5387, 0.4844, 0.3686**.

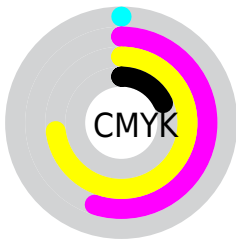
Distribution



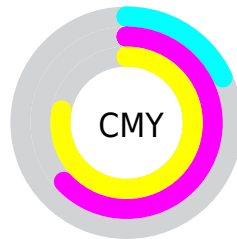
- Red (82%)
- Green (37%)
- Blue (22%)



- Red (82%)
- Yellow (42%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (73%)
- Black (18%)





- Cyan (18%)
- Magenta (63%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1716, 0.5237, 0.3700 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 22.1716, 0.5237, 0.3700 by changing the saturation by 10% instead.


 22.1716, 0.5237,
0.3700


 22.1716, 0.5237,
0.3700


263.4411, 0.4081,
0.3583

 13.9830, 0.5534,
0.3677


 47.0295, 0.4804,
0.3691


 8.1089, 0.5905,
0.3609


 64.4675, 0.4644,
0.3676

 4.1647, 0.6487,
0.3513

 85.7576, 0.4510,
0.3660

 1.7661, 0.6909,
0.3091

 111.2840, 0.4397,
0.3643

 0.4659, 0.7822,
0.2178

 141.4312, 0.4301,
0.3627

 0.0000, 1.0000,
0.0000

 176.5835, 0.4217,

 0.0000, 0.0000,

0.3611

0.0000

217.1253, 0.4145,
0.3597

■ 22.1716, 0.5237,
0.3700

■ 22.1716, 0.5237,
0.3700

■ 19.4617, 0.5609,
0.3676

■ 25.5387, 0.4844,
0.3686

■ 17.3595, 0.5919,
0.3609

■ 29.6003, 0.4466,
0.3643

■ 16.2624, 0.6083,
0.3552

■ 34.3952, 0.4124,
0.3583

■ 39.9581, 0.3826,
0.3515

■ 46.3213, 0.3571,
0.3444

■ 53.5153, 0.3358,
0.3375

■ 61.5690, 0.3180,
0.3311

■ 70.5099, 0.3031,
0.3250

■ 80.3641, 0.2906,
0.3195

Harmonies

Analogous

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



22.1716, 0.4867, 0.3003



22.1716, 0.5237, 0.3700



22.1716, 0.4907, 0.4444

Triad

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



22.1716, 0.5237, 0.3700



22.1716, 0.2234, 0.4510



22.1716, 0.1952, 0.1758

Complementary

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



22.1716, 0.5237, 0.3700



34.6164, 0.2163, 0.2691

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.



22.1716, 0.1504, 0.1852



22.1716, 0.5237, 0.3700



22.1716, 0.1612, 0.3246

Square

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



22.1716, 0.5237, 0.3700



22.1716, 0.3161, 0.5292



22.1716, 0.1386, 0.2309



22.1716, 0.2770, 0.1950

Rectangle

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



22.1716, 0.5237, 0.3700



22.1716, 0.4420, 0.4920



22.1716, 0.1386, 0.2309



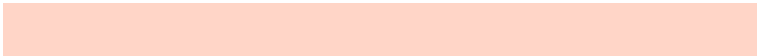
22.1716, 0.1763, 0.1755

Sweetspot

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



22.1728, 0.5237, 0.3700



73.0220, 0.3547, 0.3437



19.4893, 0.3704, 0.2040



15.0150, 0.3611, 0.3456



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.



22.1728, 0.5237, 0.3700



28.2437, 0.5795, 0.3643



43.2983, 0.4409, 0.4551



12.2879, 0.3284, 0.3350



10.0584, 0.6058, 0.3571



0.6916, 0.5690, 0.3864

Inverse Universe

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



34.6164, 0.2163, 0.2691



47.9693, 0.2059, 0.2543



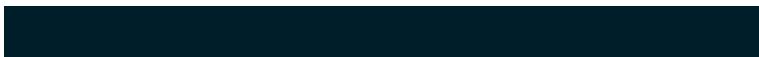
13.5910, 0.1850, 0.1452



12.8789, 0.2983, 0.3230



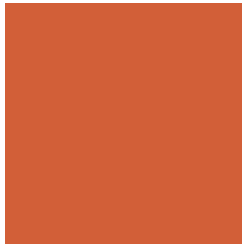
17.6770, 0.2015, 0.2454



1.1110, 0.2063, 0.2625

Previews

White Background



This preview shows how the Yxy color 22.1716, 0.5237, 0.3700 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 22.1716, 0.5237, 0.3700 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 22.1716, 0.5237, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 22.1716, 0.5237, 0.3700.



This preview shows how white text looks on a background with the Yxy color 22.1716, 0.5237, 0.3700.

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

22.1716, 0.5237, 0.3700

Protanopia

22.2998, 0.3993, 0.4344

Deuteranopia

22.3184, 0.4444, 0.4376



Tritanopia

22.1539, 0.4793, 0.3226

Trichromacy



Original Color

22.1716, 0.5237, 0.3700

Protanomaly

21.4063, 0.4466, 0.4084

Deuteranomaly

21.6419, 0.4751, 0.4094

Tritanomaly

22.0973, 0.4979, 0.3419

Monochromacy



Original Color

22.1716, 0.5237, 0.3700

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0226, 0.3877, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1716, 0.5237, 0.3700 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(210, 95, 56)` looks like.

```
.text, #text, p{  
    color:rgb(210, 95, 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(210, 95, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 95, 56) }
```

Border

The CSS property to change the border of an element to Yxy 22.1716, 0.5237, 0.3700 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(210, 95, 56) }
```

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

```
.border{ border-color:rgb(210, 95, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 95, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 95, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 95, 56);  
box-shadow:4px 4px 4px 4px rgb(210, 95,  
56) }
```


Background

The CSS property to change the background color of an element to `rgb(210, 95, 56)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 95, 56) }
```

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

```
.background{ background-color: rgb(210, 95,  
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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