

Converting Colors

$Y_{xy}(22.2572, 0.5105, 0.3869)$

Have a look what the booklet for
Yxy(22.2572, 0.5105, 0.3869)
contains.

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Color

Yxy(22.2189, 0.5102, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	C86733
RGB	200, 103, 51
RGB Percent	78%, 40%, 20%
CMY	0.2157, 0.5961, 0.7999
CMYK	0.00, 0.49, 0.74, 0.22
HSL	21°, 59%, 49%
HSV	21°, 74%, 78%
XYZ	29.2695, 22.2189, 5.8803
YIQ	126.0750, 74.5040, 4.3920

Conversions

Conversions Part 2

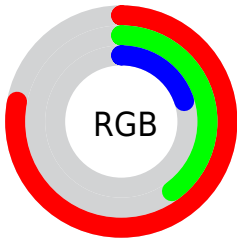
Format	Color
R_{YB}	200, 131, 51
Decimal	13133619
CIE _{Lab}	54.26, 34.81, 45.54
CIE _{LCh}	54, 57.317, 52.606
Yxy	22.2189, 0.5102, 0.3873
Android (android.graphics.Color)	4291323699 (0xFFC86733)
YUV	126.0750, -37.0120, 64.8322
Hunter-Lab	47.1369, 28.3493, 25.5995

Details

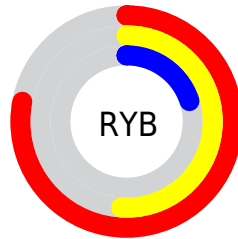
The Yxy color **22.2189, 0.5102, 0.3873** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **26.0648, 0.2093, 0.2437**, and the grayscale version is **21.0014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9570, 0.4643, 0.3849**, and **8.1217, 0.5718, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **19.6879, 0.5431, 0.3857**, and if you desaturate by 10%, it is **25.2317, 0.4755, 0.3845**.

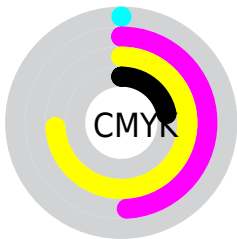
Distribution



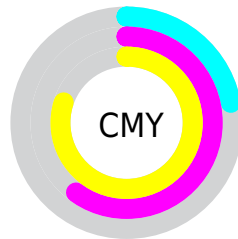
- Red (78%)
- Green (40%)
- Blue (20%)



- Red (78%)
- Yellow (51%)
- Blue (20%)



- Cyan (0%)
- Magenta (49%)
- Yellow (74%)
- Black (22%)





- Cyan (22%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2189, 0.5102, 0.3873 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 22.2189, 0.5102, 0.3873 by changing the saturation by 10% instead.


 22.2189, 0.5102,
0.3873


 22.2189, 0.5102,
0.3873


263.6873, 0.4026,
0.3655


 14.0178, 0.5374,
0.3877


 47.1075, 0.4701,
0.3825

 8.1331, 0.5711,
0.3842


 64.5639, 0.4552,
0.3796


 4.1802, 0.6219,
0.3781

 85.8741, 0.4428,
0.3768

 1.7749, 0.6590,
0.3410

 111.4226, 0.4322,
0.3742

 0.4714, 0.7461,
0.2539

 141.5938, 0.4232,
0.3717

 0.0000, 1.0000,
0.0000

 176.7720, 0.4154,

 0.0000, 0.0000,

0.3695

0.0000

217.3417, 0.4086,
0.3674

■ 22.2189, 0.5102,
0.3873

■ 22.2189, 0.5102,
0.3873

■ 19.6879, 0.5431,
0.3857

■ 25.2317, 0.4755,
0.3845

■ 17.6059, 0.5711,
0.3790

■ 28.7488, 0.4417,
0.3783

■ 16.6331, 0.5846,
0.3740

■ 32.7952, 0.4104,
0.3700

■ 37.3932, 0.3826,
0.3607

■ 42.5635, 0.3583,
0.3511

■ 48.3259, 0.3375,
0.3418

■ 54.6989, 0.3198,
0.3328

■ 61.7003, 0.3047,
0.3245

■ 69.3473, 0.2919,
0.3168

Harmonies

Analogous

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



22.2189, 0.4912, 0.3188



22.2189, 0.5102, 0.3873



22.2189, 0.4677, 0.4578

Triad

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



22.2189, 0.5102, 0.3873



22.2189, 0.2113, 0.4147



22.2189, 0.2172, 0.1851

Complementary

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



22.2189, 0.5102, 0.3873



26.0648, 0.2093, 0.2437

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.



22.2189, 0.1654, 0.1874



22.2189, 0.5102, 0.3873



22.2189, 0.1603, 0.3001

Square

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



22.2189, 0.5102, 0.3873



22.2189, 0.2949, 0.5058



22.2189, 0.1466, 0.2225



22.2189, 0.3033, 0.2096

Rectangle

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



22.2189, 0.5102, 0.3873



22.2189, 0.4172, 0.4982



22.2189, 0.1466, 0.2225



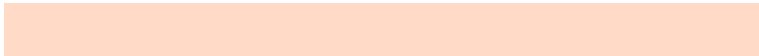
22.2189, 0.1960, 0.1827

Sweetspot

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



22.2201, 0.5102, 0.3873



75.7666, 0.3535, 0.3491



16.8634, 0.3913, 0.2161



15.6555, 0.3596, 0.3517



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.



22.2201, 0.5102, 0.3873



31.9066, 0.5601, 0.3824



43.2491, 0.4305, 0.4680



11.2321, 0.3281, 0.3371



10.7275, 0.5821, 0.3760



0.6438, 0.5416, 0.4082

Inverse Universe

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



26.0648, 0.2093, 0.2437



38.4493, 0.1970, 0.2226



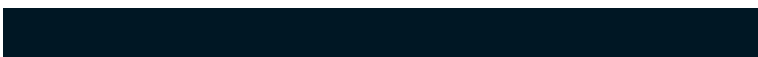
10.0236, 0.1791, 0.1250



11.4206, 0.2984, 0.3208



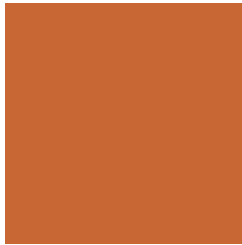
13.0142, 0.1922, 0.2118



0.7481, 0.1997, 0.2390

Previews

White Background



This preview shows how the Yxy color 22.2189, 0.5102, 0.3873 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 22.2189, 0.5102, 0.3873 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 22.2189, 0.5102, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 22.2189, 0.5102, 0.3873.



This preview shows how white text looks on a background with the Yxy color 22.2189, 0.5102, 0.3873.

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

22.2189, 0.5102, 0.3873

Protanopia

22.3008, 0.4080, 0.4450

Deuteranopia

22.3913, 0.4487, 0.4409



Tritanopia

22.2454, 0.4526, 0.3206

Trichromacy



Original Color

22.2189, 0.5102, 0.3873

Protanomaly

21.7178, 0.4465, 0.4226

Deuteranomaly

21.9261, 0.4724, 0.4200

Tritanomaly

22.1361, 0.4770, 0.3467

Monochromacy



Original Color

22.2189, 0.5102, 0.3873

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6300, 0.3828, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2189, 0.5102, 0.3873 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(200, 103, 51)` looks like.

```
.text, #text, p{  
    color:rgb(200, 103, 51)  
}
```

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(200, 103, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 103, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.2189, 0.5102, 0.3873 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(200, 103, 51) }
```

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

```
.border{ border-color:rgb(200, 103, 51) }
```

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

Here you see how a box with a 4 pixel rgb(200, 103, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 103, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 103, 51);  
box-shadow:4px 4px 4px 4px rgb(200, 103,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2189, 0.5102, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 103, 51) }
```

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

```
.background{ background-color: rgb(200,  
103, 51) }
```

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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