

Converting Colors

$Y_{xy}(22.8041, 0.4898, 0.3997)$

Have a look what the booklet for
Yxy(22.8041, 0.4898, 0.3997)
contains.

Yxy(22.7023, 0.4897, 0.3997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.7023, 0.4897, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	BF6F35
RGB	191, 111, 53
RGB Percent	75%, 44%, 21%
CMY	0.2509, 0.5647, 0.7922
CMYK	0.00, 0.42, 0.72, 0.25
HSL	25°, 57%, 48%
HSV	25°, 72%, 75%
XYZ	27.8142, 22.7023, 6.2819
YIQ	128.3080, 66.2980, -1.0780

Conversions

Conversions Part 2

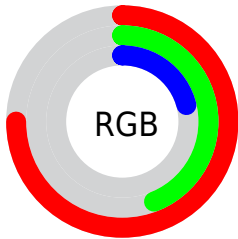
Format	Color
R_{YB}	191, 153, 53
Decimal	12545845
CIE _{Lab}	54.76, 26.94, 44.73
CIE _{LCh}	55, 52.211, 58.942
Yxy	22.7023, 0.4897, 0.3997
Android (android.graphics.Color)	4290735925 (0xFFBF6F35)
YUV	128.3080, -37.1268, 54.9809
Hunter-Lab	47.6469, 20.8182, 25.5359

Details

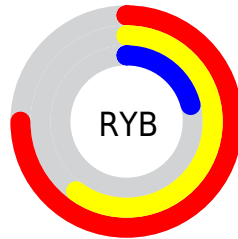
The Yxy color **22.7023, 0.4897, 0.3997** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **21.2905, 0.2072, 0.2291**, and the grayscale version is **21.8134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8491, 0.4547, 0.3910**, and **8.3552, 0.5439, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **20.2931, 0.5197, 0.4006**, and if you desaturate by 10%, it is **25.4834, 0.4585, 0.3944**.

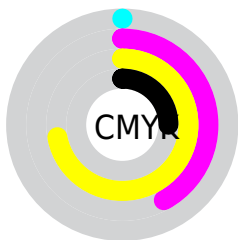
Distribution



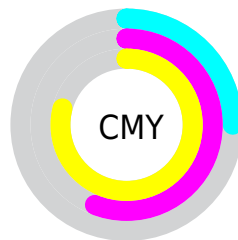
- Red (75%)
- Green (44%)
- Blue (21%)



- Red (75%)
- Yellow (60%)
- Blue (21%)



- Cyan (0%)
- Magenta (42%)
- Yellow (72%)
- Black (25%)




- Cyan (25%)
- Magenta (56%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7023, 0.4897, 0.3997 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 22.7023, 0.4897, 0.3997 by changing the saturation by 10% instead.


 22.7023, 0.4897,
0.3997


 22.7023, 0.4897,
0.3997


266.1922, 0.3935,
0.3693


 14.3738, 0.5141,
0.4033


 47.9040, 0.4539,
0.3910

 8.3811, 0.5443,
0.4042


 65.5461, 0.4405,
0.3870


 4.3398, 0.5932,
0.4068

 87.0615, 0.4294,
0.3832

 1.8654, 0.6234,
0.3766

 112.8346, 0.4200,
0.3798

 0.5274, 0.6947,
0.3053

 143.2499, 0.4119,
0.3768

 0.0000, 1.0000,
0.0000

 178.6916, 0.4050,

 0.0000, 0.0000,

0.3740

0.0000

219.5443, 0.3989,
0.3715

■ 22.7023, 0.4897,
0.3997

■ 22.7023, 0.4897,
0.3997

■ 20.2931, 0.5197,
0.4006

■ 25.4834, 0.4585,
0.3944

■ 18.2324, 0.5463,
0.3963

■ 28.6507, 0.4282,
0.3859

■ 16.8573, 0.5642,
0.3902

■ 32.2217, 0.4001,
0.3756

■ 36.2116, 0.3748,
0.3643

■ 40.6347, 0.3524,
0.3529

■ 45.5045, 0.3330,
0.3418

■ 50.8341, 0.3162,
0.3313

■ 56.6358, 0.3017,
0.3215

■ 62.9213, 0.2893,
0.3124

Harmonies

Analogous

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



22.7023, 0.4836, 0.3347



22.7023, 0.4897, 0.3997



22.7023, 0.4435, 0.4622

Triad

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



22.7023, 0.4897, 0.3997



22.7023, 0.2078, 0.3840



22.7023, 0.2397, 0.1986

Complementary

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



22.7023, 0.4897, 0.3997



21.2905, 0.2072, 0.2291

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.



22.7023, 0.1842, 0.1956



22.7023, 0.4897, 0.3997



22.7023, 0.1669, 0.2858

Square

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



22.7023, 0.4897, 0.3997



22.7023, 0.2805, 0.4749



22.7023, 0.1601, 0.2223



22.7023, 0.3246, 0.2266

Rectangle

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



22.7023, 0.4897, 0.3997



22.7023, 0.3944, 0.4925



22.7023, 0.1601, 0.2223



22.7023, 0.2176, 0.1947

Sweetspot

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



22.7035, 0.4897, 0.3997



72.6981, 0.3526, 0.3530



15.3293, 0.4079, 0.2313



15.4696, 0.3584, 0.3562



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7035, 0.4897, 0.3997



34.0129, 0.5365, 0.3986



43.7776, 0.4172, 0.4762



10.1777, 0.3278, 0.3387



11.2293, 0.5619, 0.3920



0.5695, 0.5196, 0.4256

Inverse Universe

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



21.2905, 0.2072, 0.2291



31.1245, 0.1923, 0.2030



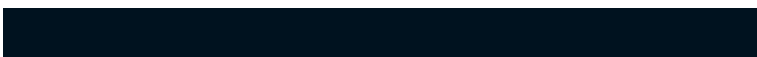
8.2401, 0.1789, 0.1158



10.1191, 0.2984, 0.3191



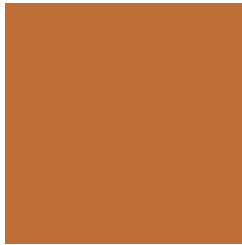
10.0646, 0.1853, 0.1869



0.5210, 0.1957, 0.2245

Previews

White Background



This preview shows how the Yxy color 22.7023, 0.4897, 0.3997 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 22.7023, 0.4897, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

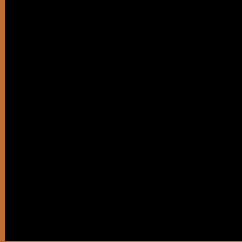
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7023, 0.4897, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 22.7023, 0.4897, 0.3997.



This preview shows how white text looks on a background with the Yxy color 22.7023, 0.4897, 0.3997.

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

22.7023, 0.4897, 0.3997

Protanopia

22.9293, 0.4074, 0.4471

Deuteranopia

22.7815, 0.4456, 0.4376



Tritanopia

22.7423, 0.4251, 0.3199

Trichromacy



Original Color

22.7023, 0.4897, 0.3997

Protanomaly

22.3921, 0.4374, 0.4287

Deuteranomaly

22.6619, 0.4626, 0.4236

Tritanomaly

22.6082, 0.4520, 0.3507

Monochromacy



Original Color

22.7023, 0.4897, 0.3997

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4380, 0.3754, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7023, 0.4897, 0.3997 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(191, 111, 53)` looks like.

```
.text, #text, p{  
    color:rgb(191, 111, 53)  
}
```

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(191, 111, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 111, 53) }
```

Border

The CSS property to change the border of an element to Yxy 22.7023, 0.4897, 0.3997 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(191, 111, 53) }
```

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

```
.border{ border-color:rgb(191, 111, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 111, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 111, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 111, 53);  
box-shadow:4px 4px 4px 4px rgb(191, 111,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7023, 0.4897, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 111, 53) }
```

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

```
.background{ background-color: rgb(191,  
111, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor