

Converting Colors

$Y_{xy}(22.7994, 0.4857, 0.3956)$

Have a look what the booklet for
Yxy(22.7994, 0.4857, 0.3956)
contains.

Yxy(22.7407, 0.4859, 0.3959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7407, 0.4859, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	BF6F39
RGB	191, 111, 57
RGB Percent	75%, 44%, 22%
CMY	0.2510, 0.5647, 0.7765
CMYK	0.00, 0.42, 0.70, 0.25
HSL	24°, 54%, 49%
HSV	24°, 70%, 75%
XYZ	27.9103, 22.7407, 6.7895
YIQ	128.7640, 65.0140, 0.1660

Conversions

Conversions Part 2

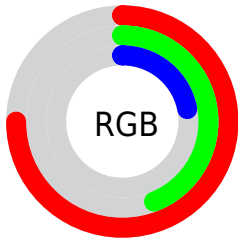
Format	Color
R_{YB}	191, 147, 57
Decimal	12545849
CIE _{Lab}	54.80, 27.15, 42.77
CIE _{LCh}	55, 50.656, 57.595
Yxy	22.7407, 0.4859, 0.3959
Android (android.graphics.Color)	4290735929 (0xFFBF6F39)
YUV	128.7640, -35.3797, 54.5810
Hunter-Lab	47.6872, 21.0198, 24.9396

Details

The Yxy color **22.7407, 0.4859, 0.3959** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.5259, 0.2106, 0.2367**, and the grayscale version is **21.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9304, 0.4514, 0.3874**, and **8.3661, 0.5405, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **20.2539, 0.5172, 0.3975**, and if you desaturate by 10%, it is **25.6193, 0.4540, 0.3902**.

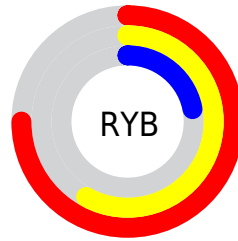
Distribution



Red (75%)

Green (44%)

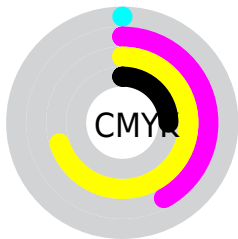
Blue (22%)



Red (75%)

Yellow (58%)

Blue (22%)

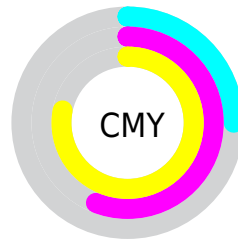


Cyan (0%)

Magenta (42%)

Yellow (70%)

Black (25%)



Cyan (25%)

Magenta (56%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7407, 0.4859, 0.3959 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 22.7407, 0.4859, 0.3959 by changing the saturation by 10% instead.


 22.7407, 0.4859,
0.3959


 22.7407, 0.4859,
0.3959


266.3904, 0.3914,
0.3669


 14.4022, 0.5103,
0.3995


 47.9672, 0.4504,
0.3875

 8.4009, 0.5408,
0.4007


 65.6240, 0.4373,
0.3836


 4.3525, 0.5938,
0.4062

 87.1556, 0.4264,
0.3801

 1.8727, 0.6242,
0.3758

 112.9464, 0.4172,
0.3769

 0.5319, 0.6950,
0.3050

 143.3810, 0.4093,
0.3740

 0.0000, 1.0000,
0.0000

 178.8435, 0.4025,

 0.0000, 0.0000,

0.3714

0.0000

219.7185, 0.3966,
0.3690

■ 22.7407, 0.4859,
0.3959

■ 22.7407, 0.4859,
0.3959

■ 20.2539, 0.5172,
0.3975

■ 25.6193, 0.4540,
0.3902

■ 18.1349, 0.5455,
0.3940

■ 28.9047, 0.4234,
0.3817

■ 16.3806, 0.5692,
0.3862

■ 32.6152, 0.3953,
0.3715

■ 36.7666, 0.3702,
0.3606

■ 41.3740, 0.3482,
0.3497

■ 46.4516, 0.3293,
0.3391

■ 52.0131, 0.3130,
0.3292

■ 58.0714, 0.2990,
0.3199

■ 64.6389, 0.2869,
0.3113

Harmonies

Analogous

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



22.7407, 0.4769, 0.3324



22.7407, 0.4859, 0.3959



22.7407, 0.4434, 0.4568

Triad

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



22.7407, 0.4859, 0.3959



22.7407, 0.2135, 0.3869



22.7407, 0.2387, 0.2011

Complementary

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



22.7407, 0.4859, 0.3959



22.5259, 0.2106, 0.2367

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.



22.7407, 0.1857, 0.1995



22.7407, 0.4859, 0.3959



22.7407, 0.1717, 0.2911

Square

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



22.7407, 0.4859, 0.3959



22.7407, 0.2855, 0.4725



22.7407, 0.1634, 0.2273



22.7407, 0.3203, 0.2274

Rectangle

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



22.7407, 0.4859, 0.3959



22.7407, 0.3963, 0.4866



22.7407, 0.1634, 0.2273



22.7407, 0.2176, 0.1976

Sweetspot

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



22.7419, 0.4859, 0.3959



73.0812, 0.3507, 0.3510



15.8217, 0.4000, 0.2302



15.5292, 0.3566, 0.3540



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.



22.7419, 0.4859, 0.3959



34.2286, 0.5324, 0.3964



43.0573, 0.4170, 0.4716



10.1505, 0.3279, 0.3383



10.9131, 0.5668, 0.3881



0.5562, 0.5233, 0.4227

Inverse Universe

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



22.5259, 0.2106, 0.2367



33.5969, 0.1961, 0.2131



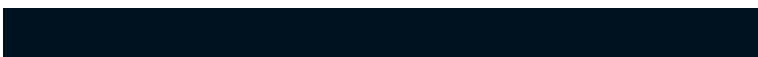
9.0629, 0.1830, 0.1246



10.1469, 0.2984, 0.3195



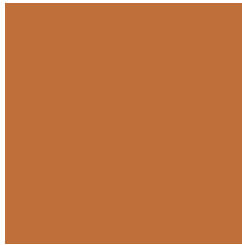
10.5475, 0.1870, 0.1930



0.5382, 0.1970, 0.2291

Previews

White Background



This preview shows how the Yxy color 22.7407, 0.4859, 0.3959 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 22.7407, 0.4859, 0.3959 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 22.7407, 0.4859, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 22.7407, 0.4859, 0.3959.



This preview shows how white text looks on a background with the Yxy color 22.7407, 0.4859, 0.3959.

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

22.7407, 0.4859, 0.3959

Protanopia

22.9724, 0.4039, 0.4417

Deuteranopia

22.8168, 0.4423, 0.4334



Tritanopia

22.7423, 0.4251, 0.3199

Trichromacy



Original Color

22.7407, 0.4859, 0.3959

Protanomaly

22.4336, 0.4337, 0.4239

Deuteranomaly

22.6980, 0.4591, 0.4196

Tritanomaly

22.6256, 0.4506, 0.3494

Monochromacy



Original Color

22.7407, 0.4859, 0.3959

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5737, 0.3742, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7407, 0.4859, 0.3959 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(191, 111, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 111, 57) }
```

Border

The CSS property to change the border of an element to Yxy 22.7407, 0.4859, 0.3959 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, 57) }
```

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

```
.border{ border-color:rgb(191, 111, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 111, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 111, 57);  
box-shadow:4px 4px 4px 4px rgb(191, 111,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7407, 0.4859, 0.3959 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, 57) }
```

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

```
.background{ background-color: rgb(191,  
111, 57) }
```

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