

Converting Colors

$Y_{xy}(21.7910, 0.4417, 0.3372)$

Have a look what the booklet for
Yxy(21.7910, 0.4417, 0.3372)
contains.

Yxy(21.8588, 0.4422, 0.3375)	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(21.8588, 0.4422, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	BF6862
RGB	191, 104, 98
RGB Percent	75%, 41%, 38%
CMY	0.2510, 0.5921, 0.6156
CMYK	0.00, 0.46, 0.49, 0.25
HSL	4°, 42%, 57%
HSV	4°, 49%, 75%
XYZ	28.6399, 21.8588, 14.2681
YIQ	129.3290, 53.7780, 16.5780

Conversions

Conversions Part 2

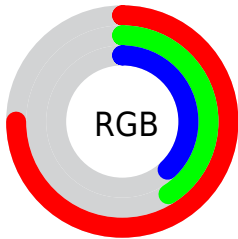
Format	Color
R_{YB}	191, 104, 98
Decimal	12544098
CIE _{Lab}	53.88, 34.01, 18.89
CIE _{LCh}	54, 38.909, 29.048
Yxy	21.8588, 0.4422, 0.3375
Android (android.graphics.Color)	4290734178 (0xFFBF6862)
YUV	129.3290, -15.4452, 54.0855
Hunter-Lab	46.7534, 27.5259, 14.6333

Details

The Yxy color **21.8588, 0.4422, 0.3375** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.0555, 0.2476, 0.3198**, and the grayscale version is **22.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6079, 0.4125, 0.3379**, and **7.9546, 0.4927, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **18.3168, 0.4850, 0.3387**, and if you desaturate by 10%, it is **26.2512, 0.4049, 0.3359**.

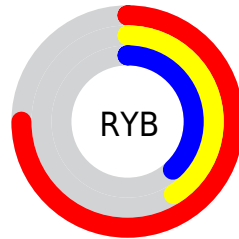
Distribution



Red (75%)

Green (41%)

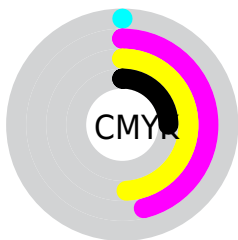
Blue (38%)



Red (75%)

Yellow (41%)

Blue (38%)

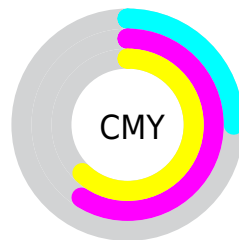


Cyan (0%)

Magenta (46%)

Yellow (49%)

Black (25%)



Cyan (25%)


Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8588, 0.4422, 0.3375 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 21.8588, 0.4422, 0.3375 by changing the saturation by 10% instead.


 21.8588, 0.4422,
0.3375


 21.8588, 0.4422,
0.3375


261.8080, 0.3688,
0.3358

 13.7532, 0.4637,
0.3365


 46.5125, 0.4132,
0.3378

 7.9492, 0.4932,
0.3340


 63.8294, 0.4031,
0.3376

 4.0625, 0.5358,
0.3280


 84.9855, 0.3947,
0.3373

 1.7086, 0.6142,
0.3199

 110.3652, 0.3878,
0.3370

 0.4292, 0.7523,
0.2477

140.3529, 0.3819,
0.3367

 0.0000, 1.0000,
0.0000

175.3330, 0.3769,

 0.0000, 0.0000,

0.3364

0.0000

215.6899, 0.3726,
0.3361

■ 21.8588, 0.4422,
0.3375

■ 21.8588, 0.4422,
0.3375

■ 18.3168, 0.4850,
0.3387

■ 26.2512, 0.4049,
0.3359

■ 15.5671, 0.5309,
0.3390

■ 31.5406, 0.3737,
0.3340

■ 13.5496, 0.5751,
0.3382


■ 37.7740, 0.3481,
0.3322


■ 12.1941, 0.6108,
0.3361

■ 44.9945, 0.3274,
0.3304


■ 11.4133, 0.6333,
0.3336


■ 53.2423, 0.3107,
0.3288

 11.3460, 0.6356,
0.3336

 62.5553, 0.2972,
0.3273

 72.9696, 0.2861,
0.3260

 84.5197, 0.2771,
0.3248

 89.8154, 0.2757,
0.3289

Harmonies

Analogous

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



21.8588, 0.3938, 0.2878



21.8588, 0.4422, 0.3375



21.8588, 0.4495, 0.3900

Triad

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



21.8588, 0.4422, 0.3375



21.8588, 0.2906, 0.4348



21.8588, 0.2115, 0.2240

Complementary

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



21.8588, 0.4422, 0.3375



41.0555, 0.2476, 0.3198

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.



21.8588, 0.1914, 0.2475



21.8588, 0.4422, 0.3375



21.8588, 0.2326, 0.3705

Square

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



21.8588, 0.4422, 0.3375



21.8588, 0.3582, 0.4577



21.8588, 0.1981, 0.2986



21.8588, 0.2571, 0.2254

Rectangle

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



21.8588, 0.4422, 0.3375



21.8588, 0.4315, 0.4221



21.8588, 0.1981, 0.2986



21.8588, 0.2019, 0.2288

Sweetspot

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



21.8599, 0.4422, 0.3375



71.9109, 0.3405, 0.3316



23.3731, 0.3234, 0.2175



15.2070, 0.3452, 0.3319



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.



21.8599, 0.4422, 0.3375



32.6760, 0.4861, 0.3387



33.5005, 0.4094, 0.3980



9.6325, 0.3287, 0.3305



7.5005, 0.6345, 0.3344



0.3280, 0.6141, 0.3506

Inverse Universe

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



41.0555, 0.2476, 0.3198



70.8804, 0.2381, 0.3176



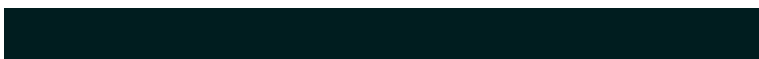
25.0723, 0.2339, 0.2464



10.7013, 0.2985, 0.3275



23.6223, 0.2192, 0.3090



0.9574, 0.2206, 0.3141

Previews

White Background



This preview shows how the Yxy color 21.8588, 0.4422, 0.3375 looks on a white background.

Color Contrast Check

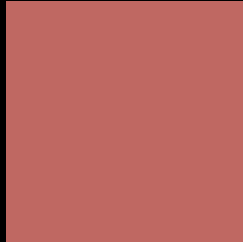
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8588, 0.4422, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

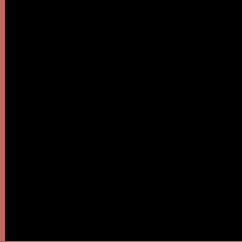
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8588, 0.4422, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 21.8588, 0.4422, 0.3375.



This preview shows how white text looks on a background with the Yxy color 21.8588, 0.4422, 0.3375.

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

21.8588, 0.4422, 0.3375

Protanopia

22.0605, 0.3425, 0.3629

Deuteranopia

21.9958, 0.3855, 0.3791



Tritanopia

21.8350, 0.4274, 0.3185

Trichromacy



Original Color

21.8588, 0.4422, 0.3375

Protanomaly

21.5415, 0.3766, 0.3523

Deuteranomaly

21.7643, 0.4069, 0.3635

Tritanomaly

21.9476, 0.4326, 0.3253

Monochromacy



Original Color

21.8588, 0.4422, 0.3375

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4163, 0.3560, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8588, 0.4422, 0.3375 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, 104, 98)` looks like.

```
.text, #text, p{  
    color:rgb(191, 104, 98)  
}
```

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, 104, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 104, 98) }
```

Border

The CSS property to change the border of an element to Yxy 21.8588, 0.4422, 0.3375 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, 104, 98) }
```

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

```
.border{ border-color:rgb(191, 104, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 104, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 104, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 104, 98);  
box-shadow:4px 4px 4px 4px rgb(191, 104,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8588, 0.4422, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 104, 98) }
```

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

```
.background{ background-color: rgb(191,  
104, 98) }
```

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