

Converting Colors

$Y_{xy}(23.9228, 0.4222, 0.3351)$

Have a look what the booklet for
Yxy(23.9228, 0.4222, 0.3351)
contains.

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Color

Yxy(23.9693, 0.4222, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	BF716C
RGB	191, 113, 108
RGB Percent	75%, 44%, 42%
CMY	0.2509, 0.5569, 0.5765
CMYK	0.00, 0.41, 0.43, 0.25
HSL	4°, 39%, 59%
HSV	4°, 43%, 75%
XYZ	30.1006, 23.9693, 17.2248
YIQ	135.7520, 48.0930, 14.9810

Conversions

Conversions Part 2

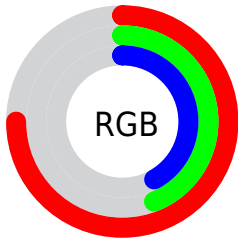
Format	Color
RYB	191, 113, 108
Decimal	12546412
CIELab	56.06, 30.22, 16.07
CIELCh	56, 34.229, 28.000
Yxy	23.9693, 0.4222, 0.3362
Android (android.graphics.Color)	4290736492 (0xFFBF716C)
YUV	135.7520, -13.6817, 48.4525
Hunter-Lab	48.9585, 24.0681, 13.4112

Details

The Yxy color **23.9693, 0.4222, 0.3362** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.0734, 0.2533, 0.3214**, and the grayscale version is **24.5618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0996, 0.3987, 0.3368**, and **9.0428, 0.4645, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **19.9907, 0.4624, 0.3376**, and if you desaturate by 10%, it is **28.8316, 0.3880, 0.3345**.

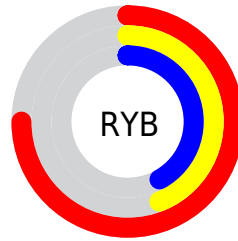
Distribution



Red (75%)

Green (44%)

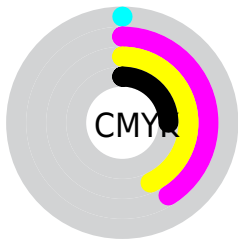
Blue (42%)



Red (75%)

Yellow (44%)

Blue (42%)

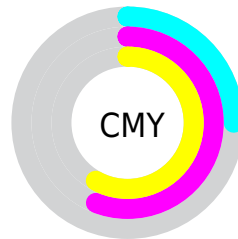


Cyan (0%)

Magenta (41%)

Yellow (43%)

Black (25%)



Cyan (25%)


Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9693, 0.4222, 0.3362 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 23.9693, 0.4222, 0.3362 by changing the saturation by 10% instead.


 23.9693, 0.4222,
0.3362


 23.9693, 0.4222,
0.3362


272.6652, 0.3609,
0.3344

 15.3108, 0.4399,
0.3357


 49.9801, 0.3982,
0.3361


 9.0378, 0.4642,
0.3343


 68.1012, 0.3897,
0.3359

 4.7659, 0.4993,
0.3308

 90.1454, 0.3827,
0.3356

 2.1106, 0.5541,
0.3220

 116.4970, 0.3769,
0.3354

 0.6706, 0.6905,
0.3095

147.5403, 0.3720,
0.3351

 0.0000, 1.0000,
0.0000

183.6599, 0.3677,

 0.0000, 0.0000,

0.3348

0.0000


225.2401, 0.3641,
0.3346

 23.9693, 0.4222,
0.3362

 23.9693, 0.4222,
0.3362


 19.9907, 0.4624,
0.3376

 28.8316, 0.3880,
0.3345


 16.8392, 0.5073,
0.3384


 34.6223, 0.3597,
0.3328

 14.4577, 0.5533,
0.3382


 41.3875, 0.3368,
0.3311

 12.7800, 0.5942,
0.3368

 49.1694, 0.3183,
0.3295


 11.7289, 0.6236,
0.3344

 58.0073, 0.3033,
0.3281

 11.3299, 0.6359,
0.3333

 67.9387, 0.2911,
0.3267

 78.9992, 0.2812,
0.3256

 89.8186, 0.2757,
0.3289

Harmonies

Analogous

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



23.9693, 0.3801, 0.2923



23.9693, 0.4222, 0.3362



23.9693, 0.4306, 0.3821

Triad

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



23.9693, 0.4222, 0.3362



23.9693, 0.2967, 0.4191



23.9693, 0.2238, 0.2382

Complementary

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



23.9693, 0.4222, 0.3362



42.0734, 0.2533, 0.3214

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.



23.9693, 0.2068, 0.2606



23.9693, 0.4222, 0.3362



23.9693, 0.2456, 0.3666

Square

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



23.9693, 0.4222, 0.3362



23.9693, 0.3551, 0.4382



23.9693, 0.2140, 0.3060



23.9693, 0.2634, 0.2382

Rectangle

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



23.9693, 0.4222, 0.3362



23.9693, 0.4166, 0.4095



23.9693, 0.2140, 0.3060



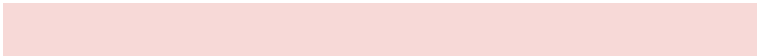
23.9693, 0.2155, 0.2431

Sweetspot

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



23.9705, 0.4222, 0.3362



74.4483, 0.3363, 0.3311



25.3841, 0.3222, 0.2284



15.7170, 0.3410, 0.3314



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.



23.9705, 0.4222, 0.3362



36.2081, 0.4597, 0.3375



35.1589, 0.3969, 0.3909



9.6262, 0.3287, 0.3304



7.4861, 0.6348, 0.3341



0.3252, 0.6157, 0.3493

Inverse Universe

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



42.0734, 0.2533, 0.3214



72.7232, 0.2437, 0.3196



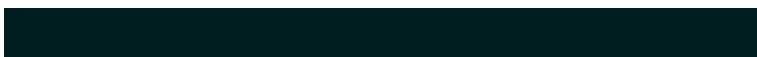
27.3089, 0.2424, 0.2569



10.7083, 0.2985, 0.3276



23.8314, 0.2195, 0.3103



0.9636, 0.2209, 0.3151

Previews

White Background



This preview shows how the Yxy color 23.9693, 0.4222, 0.3362 looks on a white background.

Color Contrast Check

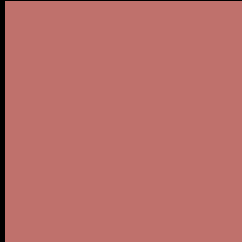
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9693, 0.4222, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

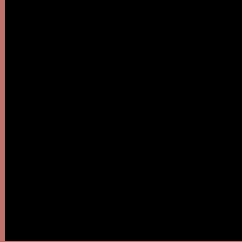
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9693, 0.4222, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 23.9693, 0.4222, 0.3362.



This preview shows how white text looks on a background with the Yxy color 23.9693, 0.4222, 0.3362.

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

23.9693, 0.4222, 0.3362

Protanopia

24.0209, 0.3381, 0.3565

Deuteranopia

23.9895, 0.3758, 0.3680



Tritanopia

23.9073, 0.4095, 0.3183

Trichromacy



Original Color

23.9693, 0.4222, 0.3362

Protanomaly

23.5075, 0.3676, 0.3485

Deuteranomaly

23.7526, 0.3928, 0.3553

Tritanomaly

24.0326, 0.4144, 0.3252

Monochromacy



Original Color

23.9693, 0.4222, 0.3362

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0126, 0.3487, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9693, 0.4222, 0.3362 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, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(191, 113, 108)  
}
```

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, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 113, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.9693, 0.4222, 0.3362 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, 113, 108) }
```

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

```
.border{ border-color:rgb(191, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(191, 113,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9693, 0.4222, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 113, 108) }
```

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

```
.background{ background-color: rgb(191,  
113, 108) }
```

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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