

Converting Colors

$Y_{xy}(24.2469, 0.4164, 0.3369)$

Have a look what the booklet for
Yxy(24.2469, 0.4164, 0.3369)
contains.

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Color

Yxy(24.2061, 0.4158, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	BD736E
RGB	189, 115, 110
RGB Percent	74%, 45%, 43%
CMY	0.2589, 0.5490, 0.5687
CMYK	0.00, 0.39, 0.42, 0.26
HSL	4°, 37%, 59%
HSV	4°, 42%, 74%
XYZ	29.9283, 24.2061, 17.8433
YIQ	136.5560, 45.7090, 14.1330

Conversions

Conversions Part 2

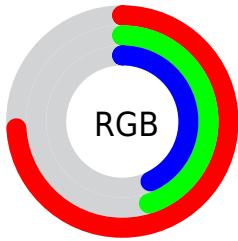
Format	Color
RYB	189, 115, 110
Decimal	12415854
CIELab	56.29, 28.55, 15.20
CIElCh	56, 32.344, 28.026
Yxy	24.2061, 0.4158, 0.3363
Android (android.graphics.Color)	4290605934 (0xFFBD736E)
YUV	136.5560, -13.0921, 45.9934
Hunter-Lab	49.1997, 22.4826, 12.9371

Details

The Yxy color **24.2061, 0.4158, 0.3363** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.2521, 0.2551, 0.3214**, and the grayscale version is **24.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3881, 0.3924, 0.3358**, and **9.1149, 0.4569, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **20.1822, 0.4549, 0.3378**, and if you desaturate by 10%, it is **29.0949, 0.3827, 0.3345**.

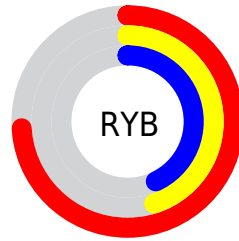
Distribution



Red (74%)

Green (45%)

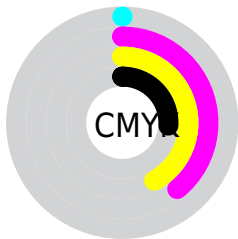
Blue (43%)



Red (74%)

Yellow (45%)

Blue (43%)

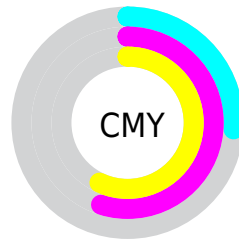


Cyan (0%)

Magenta (39%)

Yellow (42%)

Black (26%)



Cyan (26%)


Magenta (55%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2061, 0.4158, 0.3363 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 24.2061, 0.4158, 0.3363 by changing the saturation by 10% instead.


 24.2061, 0.4158,
0.3363

 24.2061, 0.4158,
0.3363


273.8608, 0.3581,
0.3342


 15.4866, 0.4325,
0.3360


 50.3663, 0.3932,
0.3360


 9.1616, 0.4554,
0.3350


 68.5758, 0.3852,
0.3358

 4.8467, 0.4885,
0.3321


 90.7174, 0.3787,
0.3355

 2.1576, 0.5399,
0.3245

 117.1755, 0.3732,
0.3352

 0.6967, 0.6788,
0.3212

148.3345, 0.3686,
0.3349

 0.0000, 1.0000,
0.0000


184.5788, 0.3646,


 0.0000, 0.0000,


0.3346


0.0000


226.2927, 0.3611,
0.3344

 24.2061, 0.4158,
0.3363


 24.2061, 0.4158,
0.3363


 20.1822, 0.4549,
0.3378


 29.0949, 0.3827,
0.3345

 16.9695, 0.4991,
0.3388


 34.8912, 0.3555,
0.3327


 14.5139, 0.5451,
0.3388


 41.6388, 0.3334,
0.3309


 12.7533, 0.5873,
0.3376


 49.3779, 0.3155,
0.3293


 11.6155, 0.6191,
0.3352

 58.1462, 0.3011,
0.3278

 11.0805, 0.6356,
0.3335

 67.9797, 0.2893,
0.3264

 78.9122, 0.2797,
0.3252

 89.5570, 0.2747,
0.3289

Harmonies

Analogous

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



24.2061, 0.3763, 0.2944



24.2061, 0.4158, 0.3363



24.2061, 0.4239, 0.3799

Triad

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



24.2061, 0.4158, 0.3363



24.2061, 0.2979, 0.4133



24.2061, 0.2285, 0.2430

Complementary

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



24.2061, 0.4158, 0.3363



41.2521, 0.2551, 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.



24.2061, 0.2122, 0.2646



24.2061, 0.4158, 0.3363



24.2061, 0.2494, 0.3644

Square

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



24.2061, 0.4158, 0.3363



24.2061, 0.3531, 0.4316



24.2061, 0.2192, 0.3077



24.2061, 0.2663, 0.2428

Rectangle

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



24.2061, 0.4158, 0.3363



24.2061, 0.4109, 0.4056



24.2061, 0.2192, 0.3077



24.2061, 0.2206, 0.2477

Sweetspot

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



24.2073, 0.4158, 0.3363



72.7806, 0.3362, 0.3312



25.4707, 0.3218, 0.2321



15.0555, 0.3409, 0.3316



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.2073, 0.4158, 0.3363



36.8066, 0.4508, 0.3377



34.8683, 0.3929, 0.3885



9.6312, 0.3287, 0.3305



7.4976, 0.6346, 0.3344



0.3274, 0.6144, 0.3503

Inverse Universe

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



41.2521, 0.2551, 0.3214



71.3232, 0.2456, 0.3195



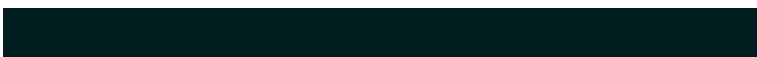
27.4032, 0.2452, 0.2603



10.7027, 0.2985, 0.3275



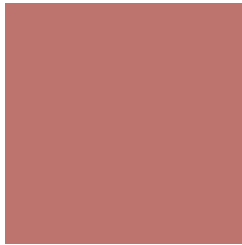
23.6651, 0.2193, 0.3093



0.9587, 0.2206, 0.3143

Previews

White Background



This preview shows how the Yxy color 24.2061, 0.4158, 0.3363 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 24.2061, 0.4158, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

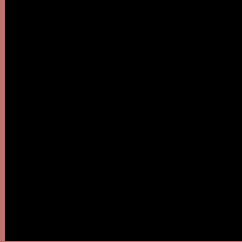
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2061, 0.4158, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 24.2061, 0.4158, 0.3363.



This preview shows how white text looks on a background with the Yxy color 24.2061, 0.4158, 0.3363.

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

24.2061, 0.4158, 0.3363

Protanopia

24.3467, 0.3356, 0.3547

Deuteranopia

24.2959, 0.3729, 0.3663



Tritanopia

24.1625, 0.4019, 0.3168

Trichromacy



Original Color

24.2061, 0.4158, 0.3363

Protanomaly

23.9684, 0.3631, 0.3485

Deuteranomaly

24.1850, 0.3880, 0.3554

Tritanomaly

24.2898, 0.4068, 0.3237

Monochromacy



Original Color

24.2061, 0.4158, 0.3363

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.3007, 0.3472, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2061, 0.4158, 0.3363 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(189, 115, 110)` looks like.

```
.text, #text, p{  
    color:rgb(189, 115, 110)  
}
```

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(189, 115, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 115, 110) }
```

Border

The CSS property to change the border of an element to Yxy 24.2061, 0.4158, 0.3363 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(189, 115, 110) }
```

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

```
.border{ border-color:rgb(189, 115, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 115, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 115, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 115, 110);  
box-shadow:4px 4px 4px 4px rgb(189, 115,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2061, 0.4158, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 115, 110) }
```

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

```
.background{ background-color: rgb(189,  
115, 110) }
```

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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