

Converting Colors

$Y_{xy}(29.9337, 0.4110, 0.3602)$

Have a look what the booklet for
Yxy(29.9337, 0.4110, 0.3602)
contains.

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Color

Yxy(29.9337, 0.4110, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	C4866F
RGB	196, 134, 111
RGB Percent	77%, 53%, 44%
CMY	0.2314, 0.4745, 0.5647
CMYK	0.00, 0.32, 0.43, 0.23
HSL	16°, 42%, 60%
HSV	16°, 43%, 77%
XYZ	34.1553, 29.9337, 19.0140
YIQ	149.9160, 44.3350, 5.9910

Conversions

Conversions Part 2

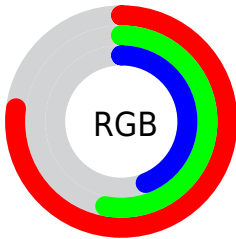
Format	Color
R_{YB}	196, 143, 111
Decimal	12879471
CIE _{Lab}	61.60, 21.01, 22.00
CIE _{LCh}	62, 30.417, 46.322
Yxy	29.9337, 0.4110, 0.3602
Android (android.graphics.Color)	4291069551 (0xFFC4866F)
YUV	149.9160, -19.1856, 40.4157
Hunter-Lab	54.7117, 15.6882, 17.6931

Details

The Yxy color **29.9337, 0.4110, 0.3602** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **37.2349, 0.2488, 0.2945**, and the grayscale version is **30.5311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6816, 0.3900, 0.3555**, and **12.2750, 0.4450, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **25.8625, 0.4444, 0.3666**, and if you desaturate by 10%, it is **34.6363, 0.3818, 0.3529**.

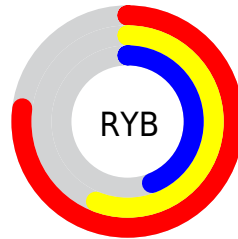
Distribution



Red (77%)

Green (53%)

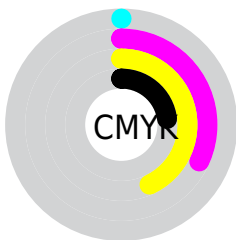
Blue (44%)



Red (77%)

Yellow (56%)

Blue (44%)

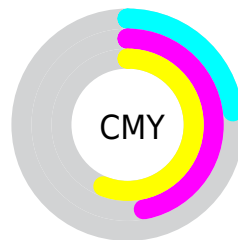


Cyan (0%)

Magenta (32%)

Yellow (43%)

Black (23%)



Cyan (23%)


Magenta (47%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9337, 0.4110, 0.3602 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 29.9337, 0.4110, 0.3602 by changing the saturation by 10% instead.


 29.9337, 0.4110,
0.3602


 29.9337, 0.4110,
0.3602


301.5953, 0.3579,
0.3455


 19.7883, 0.4255,
0.3633


 59.5573, 0.3908,
0.3552

 12.2412, 0.4448,
0.3668


 79.8043, 0.3834,
0.3532

 6.9082, 0.4716,
0.3703


 104.1872, 0.3774,
0.3515

 3.4047, 0.5105,
0.3726

 133.0905, 0.3722,
0.3500

 1.3465, 0.6076,
0.3924

166.8986, 0.3679,
0.3486

 0.1768, 0.7939,
0.2061

205.9958, 0.3641,

 0.0000, 0.0000,

0.3475

0.0000

250.7666, 0.3608,
0.3464

■ 29.9337, 0.4110,
0.3602

■ 29.9337, 0.4110,
0.3602

■ 25.8625, 0.4444,
0.3666

■ 34.6363, 0.3818,
0.3529

■ 22.3908, 0.4813,
0.3713

■ 39.9916, 0.3568,
0.3454

■ 19.4904, 0.5196,
0.3731


■ 46.0254, 0.3357,
0.3381

■ 17.1288, 0.5561,
0.3710


■ 52.7607, 0.3180,
0.3312


■ 15.2698, 0.5869,
0.3645

■ 60.2193, 0.3032,
0.3248

 14.2876, 0.6037,
0.3588

 68.4223, 0.2907,
0.3189

 77.3896, 0.2802,
0.3136

 86.2901, 0.2778,
0.3219

 90.4733, 0.2784,
0.3289

Harmonies

Analogous

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



29.9337, 0.3922, 0.3210



29.9337, 0.4110, 0.3602



29.9337, 0.4008, 0.3956

Triad

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



29.9337, 0.4110, 0.3602



29.9337, 0.2725, 0.3784



29.9337, 0.2567, 0.2504

Complementary

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



29.9337, 0.4110, 0.3602



37.2349, 0.2488, 0.2945

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.



29.9337, 0.2300, 0.2583



29.9337, 0.4110, 0.3602



29.9337, 0.2382, 0.3296

Square

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



29.9337, 0.4110, 0.3602



29.9337, 0.3193, 0.4120



29.9337, 0.2234, 0.2856



29.9337, 0.2999, 0.2606

Rectangle

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



29.9337, 0.4110, 0.3602



29.9337, 0.3800, 0.4120



29.9337, 0.2234, 0.2856



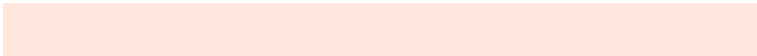
29.9337, 0.2457, 0.2509

Sweetspot

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



29.9352, 0.4110, 0.3602



83.5826, 0.3354, 0.3380



26.1299, 0.3431, 0.2489



17.3412, 0.3398, 0.3396



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.9352, 0.4110, 0.3602



47.2382, 0.4425, 0.3663



43.9905, 0.3866, 0.4129



10.5120, 0.3282, 0.3353



9.3065, 0.6013, 0.3608



0.5208, 0.5559, 0.3968

Inverse Universe

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



37.2349, 0.2488, 0.2945



62.0915, 0.2368, 0.2855



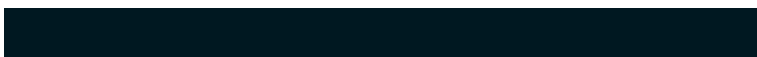
23.5488, 0.2375, 0.2273



10.9520, 0.2984, 0.3226



15.3141, 0.1999, 0.2395



0.7709, 0.2061, 0.2618

Previews

White Background



This preview shows how the Yxy color 29.9337, 0.4110, 0.3602 looks on a white background.

Color Contrast Check

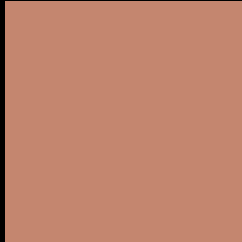
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9337, 0.4110, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

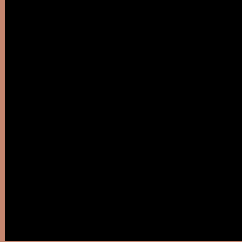
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9337, 0.4110, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 29.9337, 0.4110, 0.3602.



This preview shows how white text looks on a background with the Yxy color 29.9337, 0.4110, 0.3602.

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

29.9337, 0.4110, 0.3602

Protanopia

30.1738, 0.3541, 0.3774

Deuteranopia

29.9792, 0.3854, 0.3789



Tritanopia

30.0008, 0.3819, 0.3159

Trichromacy



Original Color

29.9337, 0.4110, 0.3602

Protanomaly

29.9550, 0.3739, 0.3723

Deuteranomaly

29.9492, 0.3939, 0.3719

Tritanomaly

29.8233, 0.3936, 0.3319

Monochromacy



Original Color

29.9337, 0.4110, 0.3602

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9396, 0.3459, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9337, 0.4110, 0.3602 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(196, 134, 111)` looks like.

```
.text, #text, p{  
    color:rgb(196, 134, 111)  
}
```

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(196, 134, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 134, 111) }
```

Border

The CSS property to change the border of an element to Yxy 29.9337, 0.4110, 0.3602 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(196, 134, 111) }
```

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

```
.border{ border-color:rgb(196, 134, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 134, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 134, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 134, 111);  
box-shadow:4px 4px 4px 4px rgb(196, 134,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9337, 0.4110, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 134, 111) }
```

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

```
.background{ background-color: rgb(196,  
134, 111) }
```

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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