

# Converting Colors

$Y_{xy}(24.8615, 0.4253, 0.3346)$

Have a look what the booklet for  
Yxy(24.8615, 0.4253, 0.3346)  
contains.

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**Color**

**Yxy(24.8962, 0.4248, 0.3347)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4726E
RGB	196, 114, 110
RGB Percent	77%, 45%, 43%
CMY	0.2313, 0.5529, 0.5687
CMYK	0.00, 0.42, 0.44, 0.23
HSL	3°, 42%, 60%
HSV	3°, 44%, 77%
XYZ	31.5982, 24.8962, 17.8893
YIQ	138.0620, 50.1560, 16.1400

# Conversions

## Conversions Part 2

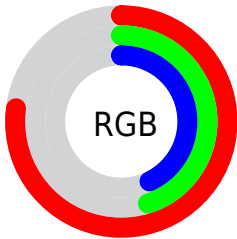
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 114, 110
Decimal	12874350
CIE Lab	56.97, 31.83, 16.28
CIE LCh	57, 35.750, 27.084
Yxy	24.8962, 0.4248, 0.3347
Android (android.graphics.Color)	4291064430 (0xFFC4726E)
YUV	138.0620, -13.8346, 50.8116
Hunter-Lab	49.8961, 25.7222, 13.6700

# Details

The Yxy color **24.8962, 0.4248, 0.3347** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.9997, 0.2530, 0.3230**, and the grayscale version is **25.4804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5061, 0.4000, 0.3345**, and **9.5036, 0.4677, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **20.7229, 0.4658, 0.3358**, and if you desaturate by 10%, it is **30.0276, 0.3899, 0.3334**.

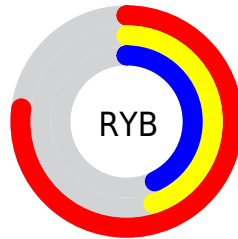
# Distribution



Red (77%)

Green (45%)

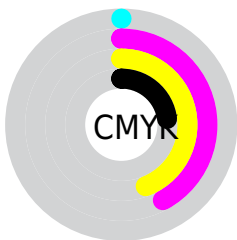
Blue (43%)



Red (77%)

Yellow (45%)

Blue (43%)

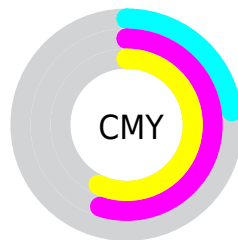


Cyan (0%)

Magenta (42%)

Yellow (44%)

Black (23%)



Cyan (23%)

Magenta (55%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8962, 0.4248, 0.3347 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 24.8962, 0.4248, 0.3347 by changing the saturation by 10% instead.





 24.8962, 0.4248,  
0.3347


 24.8962, 0.4248,  
0.3347


277.3206, 0.3624,  
0.3338


 15.9997, 0.4427,  
0.3340


 51.4888, 0.4005,  
0.3350

 9.5240, 0.4671,  
0.3322


 69.9537, 0.3918,  
0.3349

 5.0845, 0.5020,  
0.3282

 92.3769, 0.3847,  
0.3347

 2.2969, 0.5553,  
0.3187

 119.1427, 0.3788,  
0.3346

 0.7721, 0.6882,  
0.3118

150.6356, 0.3737,  
0.3344

 0.0000, 1.0000,  
0.0000

187.2400, 0.3694,

 0.0000, 0.0000,

0.3342

0.0000


229.3402, 0.3657,  
0.3340


 24.8962, 0.4248,  
0.3347


 24.8962, 0.4248,  
0.3347


 20.7229, 0.4658,  
0.3358

 30.0276, 0.3899,  
0.3334


 17.4448, 0.5114,  
0.3363


 36.1674, 0.3611,  
0.3320

 14.9976, 0.5576,  
0.3362


 43.3669, 0.3378,  
0.3307

 13.3067, 0.5981,  
0.3350

 51.6728, 0.3190,  
0.3295


 12.2840, 0.6262,  
0.3331

 61.1289, 0.3038,  
0.3283

 11.9353, 0.6369,  
0.3325

 71.7768, 0.2916,  
0.3273

 83.6560, 0.2816,  
0.3264

 90.4770, 0.2784,  
0.3289

# Harmonies

## Analogous

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



24.8962, 0.3805, 0.2899



24.8962, 0.4248, 0.3347



24.8962, 0.4345, 0.3819

# Triad

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



24.8962, 0.4248, 0.3347



24.8962, 0.2979, 0.4234



24.8962, 0.2204, 0.2360

# Complementary

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



24.8962, 0.4248, 0.3347



44.9997, 0.2530, 0.3230

# 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.



24.8962, 0.2037, 0.2595



24.8962, 0.4248, 0.3347



24.8962, 0.2448, 0.3698

# Square

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



24.8962, 0.4248, 0.3347



24.8962, 0.3579, 0.4416



24.8962, 0.2118, 0.3069



24.8962, 0.2603, 0.2354



# Rectangle

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



24.8962, 0.4248, 0.3347



24.8962, 0.4206, 0.4105



24.8962, 0.2118, 0.3069



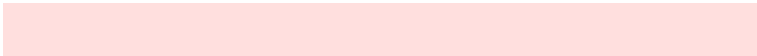
24.8962, 0.2122, 0.2411

# Sweetspot

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



24.8975, 0.4248, 0.3347



79.5126, 0.3364, 0.3306



26.7437, 0.3207, 0.2258



16.3500, 0.3411, 0.3309



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.



24.8975, 0.4248, 0.3347



37.5723, 0.4656, 0.3358



36.5952, 0.3989, 0.3898



10.1515, 0.3288, 0.3301



7.7033, 0.6361, 0.3331



0.3594, 0.6219, 0.3444



# Inverse Universe

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



44.9997, 0.2530, 0.3230



78.7689, 0.2431, 0.3215



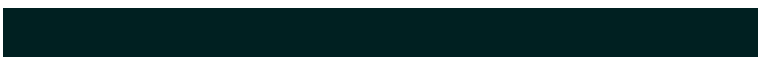
29.1556, 0.2420, 0.2583



11.3454, 0.2984, 0.3279



25.3965, 0.2207, 0.3146



1.1225, 0.2217, 0.3180



# Previews

## White Background



This preview shows how the Yxy color 24.8962, 0.4248, 0.3347 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 24.8962, 0.4248, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

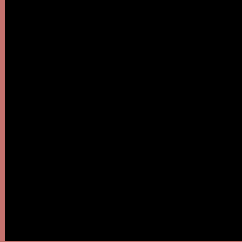
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.8962, 0.4248, 0.3347**

## Background



This preview shows how black text looks on a background with the Yxy color 24.8962, 0.4248, 0.3347.



This preview shows how white text looks on a background with the Yxy color 24.8962, 0.4248, 0.3347.

# 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

24.8962, 0.4248, 0.3347

### Protanopia

25.1114, 0.3364, 0.3561

### Deuteranopia

25.1411, 0.3756, 0.3689



## Tritanopia

24.8391, 0.4122, 0.3173

# Trichromacy



## Original Color

24.8962, 0.4248, 0.3347

## Protanomaly

24.6663, 0.3664, 0.3481

## Deuteranomaly

24.7486, 0.3942, 0.3548

## Tritanomaly

24.9649, 0.4171, 0.3240

# Monochromacy



## Original Color

24.8962, 0.4248, 0.3347

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.6300, 0.3497, 0.3307

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.8962, 0.4248, 0.3347 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, 114, 110)` looks like.

```
.text, #text, p{  
    color:rgb(196, 114, 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(196, 114, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 114, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 24.8962, 0.4248, 0.3347 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, 114, 110) }
```

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

```
.border{ border-color:rgb(196, 114, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 114, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 114, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 114, 110);  
box-shadow:4px 4px 4px 4px rgb(196, 114,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.8962, 0.4248, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 114, 110) }
```

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

```
.background{ background-color: rgb(196,  
114, 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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