

# Converting Colors

$Y_{xy}(29.0247, 0.4238, 0.3721)$

Have a look what the booklet for  
Yxy(29.0247, 0.4238, 0.3721)  
contains.

<b>Yxy(29.0247, 0.4238, 0.3721)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(29.0247, 0.4238, 0.3721)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C38464
RGB	195, 132, 100
RGB Percent	76%, 52%, 39%
CMY	0.2353, 0.4823, 0.6078
CMYK	0.00, 0.32, 0.49, 0.24
HSL	20°, 44%, 58%
HSV	20°, 49%, 76%
XYZ	33.0574, 29.0247, 15.9203
YIQ	147.1890, 47.8200, 3.4040

# Conversions

## Conversions Part 2

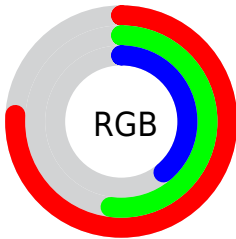
Format	Color
R <sub>Y</sub> B	195, 148, 100
Decimal	12813412
CIE Lab	60.80, 20.58, 27.06
CIE LCh	61, 33.991, 52.746
Yxy	29.0247, 0.4238, 0.3721
Android (android.graphics.Color)	4291003492 (0xFFC38464)
YUV	147.1890, -23.2642, 41.9302
Hunter-Lab	53.8746, 15.2470, 20.1916

# Details

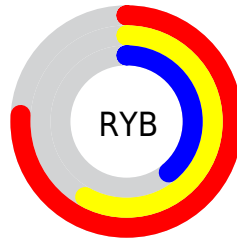
The Yxy color **29.0247, 0.4238, 0.3721** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **32.8478, 0.2400, 0.2795**, and the grayscale version is **29.3444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0031, 0.4015, 0.3650**, and **11.6949, 0.4604, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **25.3996, 0.4567, 0.3793**, and if you desaturate by 10%, it is **33.1779, 0.3942, 0.3635**.

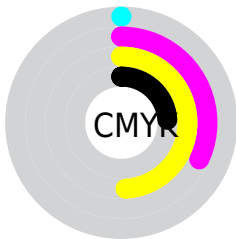
# Distribution



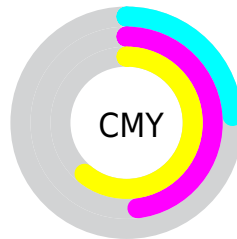
- Red (76%)
- Green (52%)
- Blue (39%)



- Red (76%)
- Yellow (58%)
- Blue (39%)



- Cyan (0%)
- Magenta (32%)
- Yellow (49%)
- Black (24%)




- Cyan (24%)
- Magenta (48%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0247, 0.4238, 0.3721 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 29.0247, 0.4238, 0.3721 by changing the saturation by 10% instead.




 29.0247, 0.4238,  
0.3721


 29.0247, 0.4238,  
0.3721


297.3315, 0.3637,  
0.3516


 19.0995, 0.4401,  
0.3764


 58.1163, 0.4010,  
0.3651

 11.7422, 0.4615,  
0.3812

 78.0516, 0.3927,  
0.3624

 6.5684, 0.4908,  
0.3858


 102.0922, 0.3858,  
0.3600

 3.1937, 0.5346,  
0.3901

 130.6228, 0.3800,  
0.3579

 1.2337, 0.6085,  
0.3915

164.0276, 0.3750,  
0.3560

 0.0889, 0.8684,  
0.1316

202.6910, 0.3708,

 0.0000, 0.0000,

0.3544

0.0000

246.9975, 0.3670,  
0.3529

■ 29.0247, 0.4238,  
0.3721

■ 29.0247, 0.4238,  
0.3721

■ 25.3996, 0.4567,  
0.3793

■ 33.1779, 0.3942,  
0.3635

■ 22.2759, 0.4916,  
0.3840

■ 37.8757, 0.3682,  
0.3543

■ 19.6308, 0.5264,  
0.3849

■ 43.1395, 0.3459,  
0.3451

■ 17.4375, 0.5582,  
0.3811


■ 48.9877, 0.3269,  
0.3362

■ 15.6625, 0.5843,  
0.3728


■ 55.4383, 0.3108,  
0.3280

 15.4602, 0.5875,  
0.3717

 62.5081, 0.2971,  
0.3203

 70.2136, 0.2855,  
0.3133

 78.5049, 0.2761,  
0.3079

 86.2011, 0.2773,  
0.3219

# Harmonies

## Analogous

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



29.0247, 0.4098, 0.3287



29.0247, 0.4238, 0.3721



29.0247, 0.4051, 0.4100

# Triad

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



29.0247, 0.4238, 0.3721



29.0247, 0.2574, 0.3738



29.0247, 0.2588, 0.2423

# Complementary

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



29.0247, 0.4238, 0.3721



32.8478, 0.2400, 0.2795

# 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.



29.0247, 0.2249, 0.2460



29.0247, 0.4238, 0.3721



29.0247, 0.2238, 0.3173

# Square

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



29.0247, 0.4238, 0.3721



29.0247, 0.3077, 0.4181



29.0247, 0.2127, 0.2713



29.0247, 0.3099, 0.2576



# Rectangle

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



29.0247, 0.4238, 0.3721



29.0247, 0.3782, 0.4263



29.0247, 0.2127, 0.2713



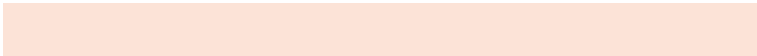
29.0247, 0.2452, 0.2413

# Sweetspot

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



29.0261, 0.4238, 0.3721



80.7865, 0.3390, 0.3420



23.3757, 0.3562, 0.2470



17.2113, 0.3432, 0.3439



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.



29.0261, 0.4238, 0.3721



45.3775, 0.4573, 0.3795



44.8297, 0.3925, 0.4296



10.6199, 0.3281, 0.3368



10.1889, 0.5850, 0.3737



0.5690, 0.5411, 0.4085



# Inverse Universe

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



32.8478, 0.2400, 0.2795



52.8993, 0.2269, 0.2669



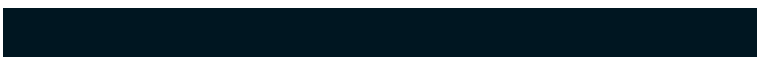
19.1056, 0.2255, 0.2019



10.8385, 0.2984, 0.3211



12.9816, 0.1934, 0.2162



0.6839, 0.2012, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 29.0247, 0.4238, 0.3721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

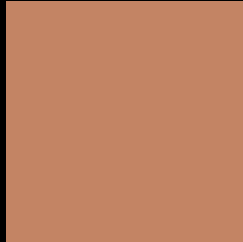
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 29.0247, 0.4238, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

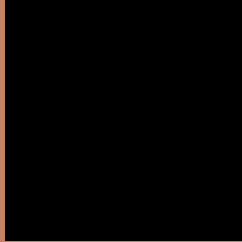
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.0247, 0.4238, 0.3721**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0247, 0.4238, 0.3721.



This preview shows how white text looks on a background with the Yxy color 29.0247, 0.4238, 0.3721.

# 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

29.0247, 0.4238, 0.3721

### Protanopia

29.1771, 0.3660, 0.3935

### Deuteranopia

29.1617, 0.3982, 0.3919



## Tritanopia

28.9907, 0.3856, 0.3159

# Trichromacy



**Original Color**

29.0247, 0.4238, 0.3721

**Protanomaly**

29.0034, 0.3855, 0.3860

**Deuteranomaly**

29.1451, 0.4072, 0.3844

**Tritanomaly**

29.0261, 0.3995, 0.3360

# Monochromacy



**Original Color**

29.0247, 0.4238, 0.3721

**Achromatopsia**

29.1771, 0.3127, 0.3290

**Achromatomaly**

28.8502, 0.3495, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0247, 0.4238, 0.3721 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(195, 132, 100)` looks like.

```
.text, #text, p{  
    color:rgb(195, 132, 100)  
}
```

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(195, 132, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 132, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0247, 0.4238, 0.3721 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(195, 132, 100) }
```

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

```
.border{ border-color:rgb(195, 132, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 132, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 132, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 132, 100);  
box-shadow:4px 4px 4px 4px rgb(195, 132,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0247, 0.4238, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 132, 100) }
```

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

```
.background{ background-color: rgb(195,  
132, 100) }
```

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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