

# Converting Colors

$Y_{xy}(24.1838, 0.4474, 0.3196)$

Have a look what the booklet for  
Yxy(24.1838, 0.4474, 0.3196)  
contains.

<b>Yxy(24.1838, 0.4474, 0.3196)</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(24.1838, 0.4474, 0.3196)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1666E
RGB	209, 102, 110
RGB Percent	82%, 40%, 43%
CMY	0.1805, 0.5999, 0.5687
CMYK	0.00, 0.51, 0.47, 0.18
HSL	356°, 54%, 61%
HSV	356°, 51%, 82%
XYZ	33.8543, 24.1838, 17.6309
YIQ	134.9050, 61.2040, 25.1720

# Conversions

## Conversions Part 2

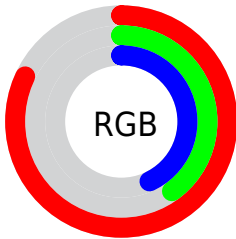
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 102, 110
Decimal	13723246
CIE <sub>Lab</sub>	56.27, 42.91, 15.60
CIE <sub>LCh</sub>	56, 45.660, 19.972
Yxy	24.1838, 0.4474, 0.3196
Android (android.graphics.Color)	4291913326 (0xFFD1666E)
YUV	134.9050, -12.2782, 64.9813
Hunter-Lab	49.1770, 36.8226, 13.1674

# Details

The Yxy color **24.1838, 0.4474, 0.3196** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **52.6326, 0.2507, 0.3399**, and the grayscale version is **24.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6101, 0.4053, 0.3240**, and **9.1241, 0.4966, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **20.2049, 0.4908, 0.3187**, and if you desaturate by 10%, it is **29.2924, 0.4095, 0.3212**.

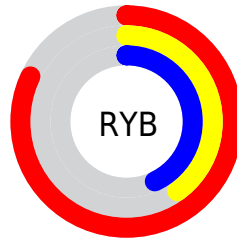
# Distribution



Red (82%)

Green (40%)

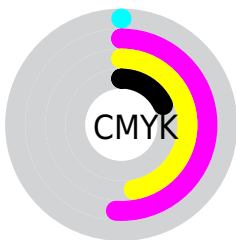
Blue (43%)



Red (82%)

Yellow (40%)

Blue (43%)

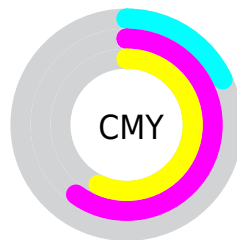


Cyan (0%)

Magenta (51%)

Yellow (47%)

Black (18%)



Cyan (18%)

Magenta (60%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1838, 0.4474, 0.3196 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 24.1838, 0.4474, 0.3196 by changing the saturation by 10% instead.





 24.1838, 0.4474,  
0.3196


 24.1838, 0.4474,  
0.3196


273.7484, 0.3722,  
0.3275


 15.4700, 0.4689,  
0.3161


 50.3300, 0.4181,  
0.3235


 9.1499, 0.4981,  
0.3106


 68.5311, 0.4077,  
0.3246

 4.8391, 0.5397,  
0.3011

 90.6636, 0.3991,  
0.3254

 2.1532, 0.6026,  
0.2830

 117.1117, 0.3920,  
0.3261

 0.6943, 0.7459,  
0.2541

148.2598, 0.3859,  
0.3266

 0.0000, 1.0000,  
0.0000

184.4924, 0.3807,

 0.0000, 0.0000,

0.3270

0.0000

226.1938, 0.3762,  
0.3273

■ 24.1838, 0.4474,  
0.3196

■ 24.1838, 0.4474,  
0.3196

■ 20.2049, 0.4908,  
0.3187

■ 29.2924, 0.4095,  
0.3212

■ 17.2664, 0.5368,  
0.3189

■ 35.6035, 0.3778,  
0.3231

■ 15.2722, 0.5801,  
0.3205

■ 43.1883, 0.3519,  
0.3250

■ 14.1062, 0.6141,  
0.3235

■ 52.1112, 0.3311,  
0.3270

■ 13.5877, 0.6330,  
0.3261

■ 62.4323, 0.3144,  
0.3288

■ 74.2083, 0.3011,  
0.3305

■ 87.4925, 0.2902,  
0.3320

■ 92.2916, 0.2855,  
0.3289

# Harmonies

## Analogous

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



24.1838, 0.3813, 0.2677



24.1838, 0.4474, 0.3196



24.1838, 0.4698, 0.3772

# Triad

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



24.1838, 0.4474, 0.3196



24.1838, 0.3091, 0.4649



24.1838, 0.1902, 0.2163

# Complementary

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



24.1838, 0.4474, 0.3196



52.6326, 0.2507, 0.3399

# 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.



24.1838, 0.1769, 0.2505



24.1838, 0.4474, 0.3196



24.1838, 0.2392, 0.4018

# Square

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



24.1838, 0.4474, 0.3196



24.1838, 0.3840, 0.4714



24.1838, 0.1928, 0.3164



24.1838, 0.2319, 0.2107



# Rectangle

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



24.1838, 0.4474, 0.3196



24.1838, 0.4572, 0.4153



24.1838, 0.1928, 0.3164



24.1838, 0.1826, 0.2242

# Sweetspot

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



24.1851, 0.4474, 0.3196



75.9029, 0.3389, 0.3262



26.3981, 0.3089, 0.2034



15.6082, 0.3433, 0.3258



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.



24.1851, 0.4474, 0.3196



31.4174, 0.4932, 0.3187



35.2511, 0.4262, 0.3847



11.8223, 0.3279, 0.3273



8.3856, 0.6313, 0.3251



0.4740, 0.6045, 0.3104



# Inverse Universe

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



24.1851, 0.4474, 0.3196



31.4174, 0.4932, 0.3187



34.1275, 0.2338, 0.2630



11.8223, 0.3279, 0.3273



8.3856, 0.6313, 0.3251

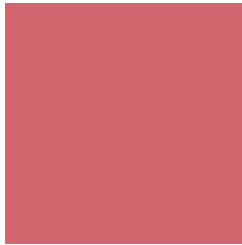


0.4740, 0.6045, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 24.1838, 0.4474, 0.3196 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 24.1838, 0.4474, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

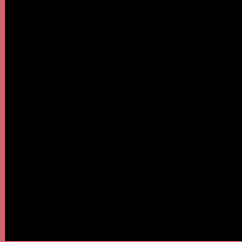
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.1838, 0.4474, 0.3196**

## Background



This preview shows how black text looks on a background with the Yxy color 24.1838, 0.4474, 0.3196.



This preview shows how white text looks on a background with the Yxy color 24.1838, 0.4474, 0.3196.

# 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

24.1838, 0.4474, 0.3196

### Protanopia

24.4098, 0.3280, 0.3444

### Deuteranopia

24.3561, 0.3765, 0.3693



## Tritanopia

24.1622, 0.4488, 0.3208

# Trichromacy



## Original Color

24.1838, 0.4474, 0.3196

## Protanomaly

23.5213, 0.3689, 0.3339

## Deuteranomaly

23.8416, 0.4020, 0.3485

## Tritanomaly

24.1622, 0.4488, 0.3208

# Monochromacy



## Original Color

24.1838, 0.4474, 0.3196

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

23.3537, 0.3577, 0.3244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1838, 0.4474, 0.3196 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(209, 102, 110)` looks like.

```
.text, #text, p{  
    color:rgb(209, 102, 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(209, 102, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 102, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1838, 0.4474, 0.3196 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(209, 102, 110) }
```

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

```
.border{ border-color:rgb(209, 102, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 102, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 102, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 102, 110);  
box-shadow:4px 4px 4px 4px rgb(209, 102,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1838, 0.4474, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 102, 110) }
```

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

```
.background{ background-color: rgb(209,  
102, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor