

# Converting Colors

$Y_{xy}(28.9614, 0.4489, 0.3641)$

Have a look what the booklet for  
Yxy(28.9614, 0.4489, 0.3641)  
contains.

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**Color**

**Yxy(29.0671, 0.4490, 0.3652)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D17D60
RGB	209, 125, 96
RGB Percent	82%, 49%, 38%
CMY	0.1804, 0.5098, 0.6236
CMYK	0.00, 0.40, 0.54, 0.18
HSL	15°, 55%, 60%
HSV	15°, 54%, 82%
XYZ	35.7369, 29.0671, 14.7882
YIQ	146.8100, 59.3730, 8.7890

# Conversions

## Conversions Part 2

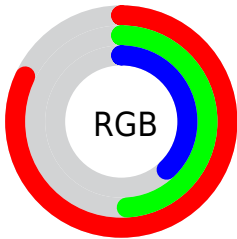
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 135, 96
Decimal	13729120
CIE <sub>Lab</sub>	60.84, 29.67, 29.68
CIE <sub>LCh</sub>	61, 41.966, 45.009
Yxy	29.0671, 0.4490, 0.3652
Android (android.graphics.Color)	4291919200 (0xFFD17D60)
YUV	146.8100, -25.0493, 54.5406
Hunter-Lab	53.9139, 23.9697, 21.4769

# Details

The Yxy color **29.0671, 0.4490, 0.3652** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **39.7148, 0.2355, 0.2865**, and the grayscale version is **29.1825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2074, 0.4091, 0.3618**, and **11.8332, 0.4944, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **25.1036, 0.4868, 0.3694**, and if you desaturate by 10%, it is **33.7507, 0.4146, 0.3592**.

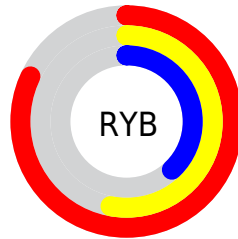
# Distribution



Red (82%)

Green (49%)

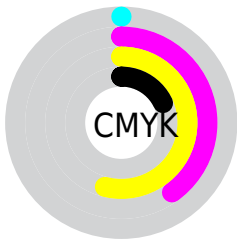
Blue (38%)



Red (82%)

Yellow (53%)

Blue (38%)

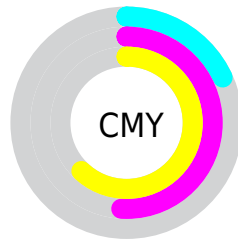


Cyan (0%)

Magenta (40%)

Yellow (54%)

Black (18%)



Cyan (18%)

Magenta (51%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0671, 0.4490, 0.3652 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 29.0671, 0.4490, 0.3652 by changing the saturation by 10% instead.




 29.0671, 0.4490,  
0.3652


 29.0671, 0.4490,  
0.3652


297.5314, 0.3754,  
0.3498


 19.1316, 0.4687,  
0.3675


 58.1837, 0.4211,  
0.3606

 11.7654, 0.4945,  
0.3692


 78.1335, 0.4110,  
0.3585

 6.5841, 0.5293,  
0.3691


 102.1903, 0.4025,  
0.3567

 3.2034, 0.5830,  
0.3669

 130.7383, 0.3954,  
0.3550

 1.2388, 0.6534,  
0.3466

164.1621, 0.3893,  
0.3535

 0.0931, 0.8972,  
0.1028


202.8459, 0.3840,


 0.0000, 0.0000,


0.3522

0.0000


247.1742, 0.3794,  
0.3509


 29.0671, 0.4490,  
0.3652


 29.0671, 0.4490,  
0.3652

 25.1036, 0.4868,  
0.3694


 33.7507, 0.4146,  
0.3592


 21.8190, 0.5259,  
0.3706


 39.1840, 0.3845,  
0.3523


 19.1743, 0.5627,  
0.3679

 45.4002, 0.3588,  
0.3452

 17.1245, 0.5930,  
0.3610

 52.4293, 0.3373,  
0.3382

 16.1635, 0.6075,  
0.3558

 60.2996, 0.3192,  
0.3316

■ 69.0379, 0.3041,  
0.3254

■ 78.6699, 0.2915,  
0.3198

■ 88.6826, 0.2852,  
0.3230

■ 92.2940, 0.2855,  
0.3289

# Harmonies

## Analogous

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



29.0671, 0.4218, 0.3139



29.0671, 0.4490, 0.3652



29.0671, 0.4343, 0.4148

# Triad

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



29.0671, 0.4490, 0.3652



29.0671, 0.2585, 0.4024



29.0671, 0.2341, 0.2236

# Complementary

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



29.0671, 0.4490, 0.3652



39.7148, 0.2355, 0.2865

# 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.



29.0671, 0.2007, 0.2334



29.0671, 0.4490, 0.3652



29.0671, 0.2126, 0.3309

# Square

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



29.0671, 0.4490, 0.3652



29.0671, 0.3222, 0.4492



29.0671, 0.1931, 0.2693



29.0671, 0.2910, 0.2366



# Rectangle

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



29.0671, 0.4490, 0.3652



29.0671, 0.4053, 0.4408



29.0671, 0.1931, 0.2693



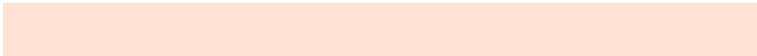
29.0671, 0.2202, 0.2241

# Sweetspot

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



29.0686, 0.4490, 0.3652



79.8036, 0.3415, 0.3396



25.2417, 0.3512, 0.2286



16.5792, 0.3458, 0.3411



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.



29.0686, 0.4490, 0.3652



38.4421, 0.4933, 0.3698



47.3397, 0.4078, 0.4302



12.2949, 0.3284, 0.3350



10.1027, 0.6050, 0.3578



0.6949, 0.5682, 0.3870



# Inverse Universe

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



39.7148, 0.2355, 0.2865



56.6532, 0.2229, 0.2755



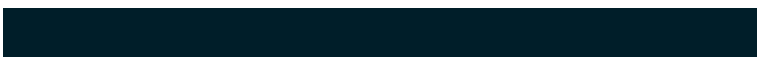
21.5625, 0.2175, 0.1990



12.8715, 0.2983, 0.3229



17.5219, 0.2012, 0.2441



1.1035, 0.2060, 0.2615



# Previews

## White Background



This preview shows how the Yxy color 29.0671, 0.4490, 0.3652 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 29.0671, 0.4490, 0.3652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

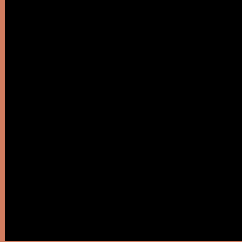
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.0671, 0.4490, 0.3652**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0671, 0.4490, 0.3652.



This preview shows how white text looks on a background with the Yxy color 29.0671, 0.4490, 0.3652.

# 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

29.0671, 0.4490, 0.3652

### Protanopia

29.2583, 0.3681, 0.3948

### Deuteranopia

29.3050, 0.4057, 0.3981



## Tritanopia

29.1086, 0.4131, 0.3193

# Trichromacy



## Original Color

29.0671, 0.4490, 0.3652

## Protanomaly

28.7717, 0.3964, 0.3832

## Deuteranomaly

28.9549, 0.4215, 0.3854

## Tritanomaly

28.9051, 0.4267, 0.3356

# Monochromacy



## Original Color

29.0671, 0.4490, 0.3652

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

28.5698, 0.3594, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0671, 0.4490, 0.3652 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, 125, 96)` looks like.

```
.text, #text, p{  
    color:rgb(209, 125, 96)  
}
```

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, 125, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 125, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0671, 0.4490, 0.3652 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, 125, 96) }
```

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

```
.border{ border-color:rgb(209, 125, 96) }
```

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

Here you see how a box with a 4 pixel rgb(209, 125, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 125, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 125, 96);  
box-shadow:4px 4px 4px 4px rgb(209, 125,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0671, 0.4490, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 125, 96) }
```

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

```
.background{ background-color: rgb(209,  
125, 96) }
```

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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