

# Converting Colors

$Yxy(31.0673, 0.3991, 0.3620)$

Have a look what the booklet for  
Yxy(31.0673, 0.3991, 0.3620)  
contains.

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# **Color**

**Yxy(30.9095, 0.3991, 0.3621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C08B73
RGB	192, 139, 115
RGB Percent	75%, 55%, 45%
CMY	0.2470, 0.4549, 0.5491
CMYK	0.00, 0.28, 0.40, 0.25
HSL	19°, 38%, 60%
HSV	19°, 40%, 75%
XYZ	34.0679, 30.9095, 20.3844
YIQ	152.1110, 39.2920, 3.7720

# Conversions

## Conversions Part 2

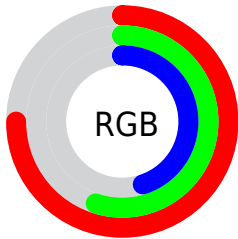
Format	Color
<a href="#">RYB</a>	<a href="#">192, 150, 115</a>
Decimal	<a href="#">12618611</a>
CIELab	<a href="#">62.43, 17.11, 20.81</a>
CIElCh	<a href="#">62, 26.941, 50.582</a>
Yxy	<a href="#">30.9095, 0.3991, 0.3621</a>
Android (android.graphics.Color)	<a href="#">4290808691 (0xFFC08B73)</a>
YUV	<a href="#">152.1110, -18.2957, 34.9827</a>
Hunter-Lab	<a href="#">55.5963, 12.0863, 17.1787</a>

# Details

The Yxy color **30.9095, 0.3991, 0.3621** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.4561, 0.2525, 0.2927**, and the grayscale version is **31.5181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2539, 0.3814, 0.3568**, and **12.8684, 0.4285, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **26.9155, 0.4299, 0.3700**, and if you desaturate by 10%, it is **35.4612, 0.3722, 0.3536**.

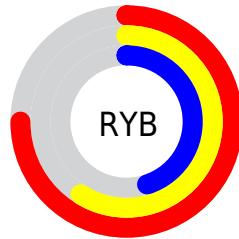
# Distribution



Red (75%)

Green (55%)

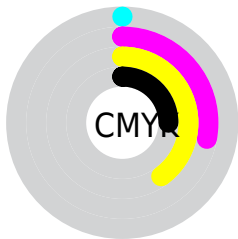
Blue (45%)



Red (75%)

Yellow (59%)

Blue (45%)

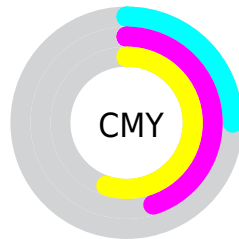


Cyan (0%)

Magenta (28%)

Yellow (40%)

Black (25%)



Cyan (25%)

Magenta (45%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9095, 0.3991, 0.3621 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 30.9095, 0.3991, 0.3621 by changing the saturation by 10% instead.





 30.9095, 0.3991,  
0.3621


 30.9095, 0.3991,  
0.3621


306.1212, 0.3526,  
0.3460

 20.5299, 0.4117,  
0.3658


 61.0976, 0.3814,  
0.3564

 12.7808, 0.4285,  
0.3702


 81.6749, 0.3750,  
0.3543

 7.2778, 0.4518,  
0.3753


 106.4202, 0.3697,  
0.3524

 3.6364, 0.4857,  
0.3806

 135.7179, 0.3652,  
0.3507

 1.4723, 0.5774,  
0.4105

169.9525, 0.3614,  
0.3493

 0.2691, 0.7145,  
0.2855

209.5083, 0.3581,

 0.0000, 0.0000,

0.3481

0.0000

254.7697, 0.3552,  
0.3470

■ 30.9095, 0.3991,  
0.3621

■ 30.9095, 0.3991,  
0.3621

■ 26.9155, 0.4299,  
0.3700

■ 35.4612, 0.3722,  
0.3536

■ 23.4526, 0.4641,  
0.3763

■ 40.5870, 0.3491,  
0.3451

■ 20.4985, 0.5003,  
0.3800


■ 46.3081, 0.3295,  
0.3368

■ 18.0272, 0.5360,  
0.3799

■ 52.6433, 0.3129,  
0.3291

■ 16.0104, 0.5679,  
0.3752


■ 59.6106, 0.2989,  
0.3219

 14.4262, 0.5937,  
0.3668

 67.2271, 0.2871,  
0.3153

 75.5092, 0.2770,  
0.3094

 83.5660, 0.2753,  
0.3179

 89.9488, 0.2763,  
0.3289

# Harmonies

## Analogous

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



30.9095, 0.3861, 0.3273



30.9095, 0.3991, 0.3621



30.9095, 0.3871, 0.3917

# Triad

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



30.9095, 0.3991, 0.3621



30.9095, 0.2724, 0.3664



30.9095, 0.2681, 0.2596

# Complementary

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



30.9095, 0.3991, 0.3621



35.4561, 0.2525, 0.2927

# 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.



30.9095, 0.2418, 0.2646



30.9095, 0.3991, 0.3621



30.9095, 0.2440, 0.3239

# Square

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



30.9095, 0.3991, 0.3621



30.9095, 0.3128, 0.3982



30.9095, 0.2333, 0.2868



30.9095, 0.3078, 0.2707



# Rectangle

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



30.9095, 0.3991, 0.3621



30.9095, 0.3673, 0.4039



30.9095, 0.2333, 0.2868



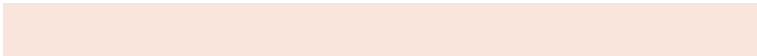
30.9095, 0.2576, 0.2594

# Sweetspot

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



30.9110, 0.3991, 0.3621



81.6513, 0.3333, 0.3385



26.3273, 0.3431, 0.2579



17.2177, 0.3357, 0.3396



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



30.9110, 0.3991, 0.3621



49.6793, 0.4255, 0.3690



43.7370, 0.3793, 0.4097



10.5788, 0.3281, 0.3362



9.8291, 0.5914, 0.3686



0.5502, 0.5467, 0.4041

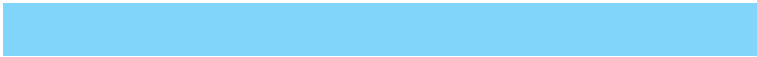


# Inverse Universe

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



35.4561, 0.2525, 0.2927



58.9771, 0.2407, 0.2833



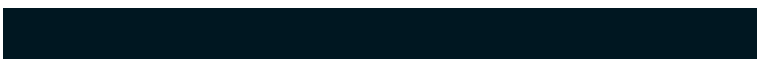
23.5192, 0.2431, 0.2323



10.8815, 0.2984, 0.3217



13.8354, 0.1959, 0.2251



0.7161, 0.2031, 0.2510



# Previews

## White Background



This preview shows how the Yxy color 30.9095, 0.3991, 0.3621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

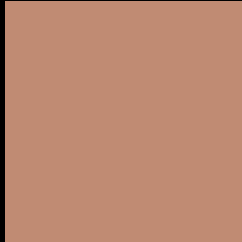
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9095, 0.3991, 0.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

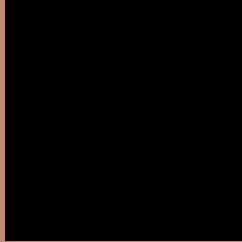
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.9095, 0.3991, 0.3621**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9095, 0.3991, 0.3621.



This preview shows how white text looks on a background with the Yxy color 30.9095, 0.3991, 0.3621.

# 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

30.9095, 0.3991, 0.3621

### Protanopia

31.0664, 0.3536, 0.3768

### Deuteranopia

30.9307, 0.3813, 0.3741



## Tritanopia

30.9744, 0.3698, 0.3157

# Trichromacy



## Original Color

30.9095, 0.3991, 0.3621

## Protanomaly

30.9461, 0.3694, 0.3721

## Deuteranomaly

30.9271, 0.3879, 0.3704

## Tritanomaly

30.7989, 0.3810, 0.3319

# Monochromacy



## Original Color

30.9095, 0.3991, 0.3621

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.9470, 0.3420, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9095, 0.3991, 0.3621 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(192, 139, 115)` looks like.

```
.text, #text, p{  
    color:rgb(192, 139, 115)  
}
```

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(192, 139, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 139, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9095, 0.3991, 0.3621 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(192, 139, 115) }
```

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

```
.border{ border-color:rgb(192, 139, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 139, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 139, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 139, 115); box-shadow:4px 4px 4px 4px rgb(192, 139, 115) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9095, 0.3991, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 139, 115) }
```

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

```
.background{ background-color: rgb(192,  
139, 115) }
```

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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