

# Converting Colors

$Yxy(29.7604, 0.3944, 0.3499)$

Have a look what the booklet for  
Yxy(29.7604, 0.3944, 0.3499)  
contains.

<b>Yxy(29.7604, 0.3944, 0.3499)</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(29.7604, 0.3944, 0.3499)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF8778
RGB	191, 135, 120
RGB Percent	75%, 53%, 47%
CMY	0.2509, 0.4706, 0.5294
CMYK	0.00, 0.29, 0.37, 0.25
HSL	13°, 36%, 61%
HSV	13°, 37%, 75%
XYZ	33.5453, 29.7604, 21.7483
YIQ	150.0340, 38.1910, 7.2070

# Conversions

## Conversions Part 2

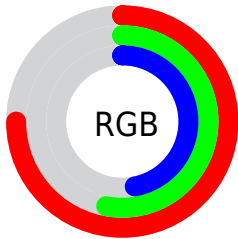
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 139, 120
Decimal	12552056
CIE Lab	61.45, 19.52, 16.62
CIE LCh	61, 25.639, 40.405
Yxy	29.7604, 0.3944, 0.3499
Android (android.graphics.Color)	4290742136 (0xFFBF8778)
YUV	150.0340, -14.8068, 35.9272
Hunter-Lab	54.5531, 14.2937, 14.5504

# Details

The Yxy color  $29.7604, 0.3944, 0.3499$  is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be  $38.8243, 0.2582, 0.3067$ , and the grayscale version is  $30.5676, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $59.5135, 0.3777, 0.3474$ , and  $12.1862, 0.4242, 0.3556$  is the 20% darker color. If you saturate the color by 10%, you get  $25.4312, 0.4268, 0.3554$ , and if you desaturate by 10%, it is  $34.7805, 0.3668, 0.3441$ .

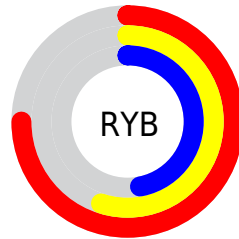
# Distribution



Red (75%)

Green (53%)

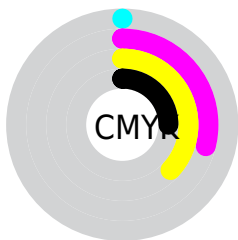
Blue (47%)



Red (75%)

Yellow (55%)

Blue (47%)

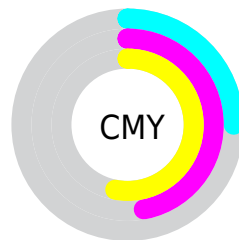


Cyan (0%)

Magenta (29%)

Yellow (37%)

Black (25%)



Cyan (25%)

Magenta (47%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7604, 0.3944, 0.3499 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 29.7604, 0.3944, 0.3499 by changing the saturation by 10% instead.




 29.7604, 0.3944,  
0.3499


 29.7604, 0.3944,  
0.3499


300.7860, 0.3501,  
0.3400


 19.6568, 0.4066,  
0.3520


 59.2831, 0.3774,  
0.3465

 12.1458, 0.4231,  
0.3545


 79.4709, 0.3713,  
0.3452

 6.8431, 0.4462,  
0.3571


 103.7889, 0.3663,  
0.3440

 3.3641, 0.4808,  
0.3591

132.6216, 0.3620,  
0.3430

 1.3247, 0.5634,  
0.3749

166.3532, 0.3584,  
0.3421

 0.1602, 0.7970,  
0.2030


205.3682, 0.3552,

 0.0000, 0.0000,


0.3413


0.0000

250.0510, 0.3525,  
0.3406


 29.7604, 0.3944,  
0.3499

 29.7604, 0.3944,  
0.3499


 25.4312, 0.4268,  
0.3554


 34.7805, 0.3668,  
0.3441


 21.7580, 0.4638,  
0.3598


 40.5156, 0.3437,  
0.3383


 18.7097, 0.5040,  
0.3624


 46.9940, 0.3245,  
0.3327


 16.2505, 0.5445,  
0.3621


 54.2412, 0.3085,  
0.3276

 14.3409, 0.5810,  
0.3582


 62.2815, 0.2953,  
0.3229

 12.9347, 0.6091,  
0.3510

 71.1379, 0.2842,  
0.3186

 12.6177, 0.6160,  
0.3491

 80.8328, 0.2750,  
0.3147

 89.8198, 0.2757,  
0.3289

# Harmonies

## Analogous

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



29.7604, 0.3740, 0.3163



29.7604, 0.3944, 0.3499



29.7604, 0.3909, 0.3811

# Triad

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



29.7604, 0.3944, 0.3499



29.7604, 0.2863, 0.3773



29.7604, 0.2593, 0.2618

# Complementary

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



29.7604, 0.3944, 0.3499



38.8243, 0.2582, 0.3067

# 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.



29.7604, 0.2394, 0.2723



29.7604, 0.3944, 0.3499



29.7604, 0.2539, 0.3382

# Square

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



29.7604, 0.3944, 0.3499



29.7604, 0.3271, 0.4011



29.7604, 0.2374, 0.2993



29.7604, 0.2941, 0.2674



# Rectangle

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



29.7604, 0.3944, 0.3499



29.7604, 0.3761, 0.3963



29.7604, 0.2374, 0.2993



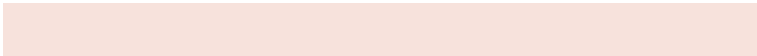
29.7604, 0.2508, 0.2634

# Sweetspot

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



29.7618, 0.3944, 0.3499



79.3411, 0.3317, 0.3349



27.6823, 0.3322, 0.2545



17.0718, 0.3343, 0.3357



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.



29.7618, 0.3944, 0.3499



46.5940, 0.4218, 0.3546



41.0811, 0.3773, 0.3953



9.8539, 0.3283, 0.3339



8.3868, 0.6138, 0.3508



0.4253, 0.5677, 0.3874



# Inverse Universe

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



38.8243, 0.2582, 0.3067



65.2147, 0.2472, 0.3007



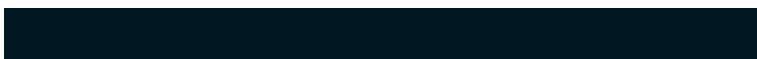
26.8992, 0.2504, 0.2521



10.4585, 0.2985, 0.3240



17.0749, 0.2057, 0.2605



0.7561, 0.2108, 0.2787



# Previews

## White Background



This preview shows how the Yxy color 29.7604, 0.3944, 0.3499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

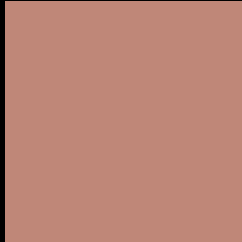
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.7604, 0.3944, 0.3499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

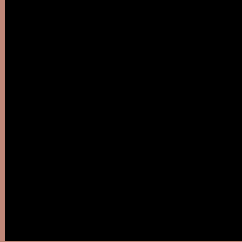
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.7604, 0.3944, 0.3499**

## Background



This preview shows how black text looks on a background with the Yxy color 29.7604, 0.3944, 0.3499.



This preview shows how white text looks on a background with the Yxy color 29.7604, 0.3944, 0.3499.

# 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

29.7604, 0.3944, 0.3499

### Protanopia

29.7541, 0.3430, 0.3636

### Deuteranopia

29.8611, 0.3712, 0.3648



## Tritanopia

29.7930, 0.3721, 0.3156

# Trichromacy



## Original Color

29.7604, 0.3944, 0.3499

## Protanomaly

29.5352, 0.3612, 0.3578

## Deuteranomaly

29.7914, 0.3805, 0.3595

## Tritanomaly

29.7028, 0.3800, 0.3278

# Monochromacy



## Original Color

29.7604, 0.3944, 0.3499

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

30.1142, 0.3403, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.7604, 0.3944, 0.3499 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(191, 135, 120)` looks like.

```
.text, #text, p{  
    color:rgb(191, 135, 120)  
}
```

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(191, 135, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 135, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 29.7604, 0.3944, 0.3499 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(191, 135, 120) }
```

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

```
.border{ border-color:rgb(191, 135, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 135, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 135, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 135, 120);  
box-shadow:4px 4px 4px 4px rgb(191, 135,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.7604, 0.3944, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 135, 120) }
```

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

```
.background{ background-color: rgb(191,  
135, 120) }
```

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