

# Converting Colors

$Yxy(35.1714, 0.3978, 0.3688)$

Have a look what the booklet for  
Yxy(35.1714, 0.3978, 0.3688)  
contains.

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# Color

**Yxy(35.1062, 0.3979, 0.3686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C89577
RGB	200, 149, 119
RGB Percent	78%, 58%, 47%
CMY	0.2157, 0.4157, 0.5332
CMYK	0.00, 0.25, 0.40, 0.22
HSL	22°, 42%, 63%
HSV	22°, 40%, 78%
XYZ	37.8968, 35.1062, 22.2390
YIQ	160.8290, 40.0260, 1.4820

# Conversions

## Conversions Part 2

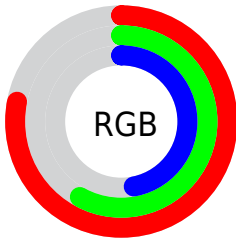
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 167, 119
Decimal	13145463
CIE <sub>Lab</sub>	65.83, 15.29, 23.31
CIE <sub>LCh</sub>	66, 27.872, 56.737
Yxy	35.1062, 0.3979, 0.3686
Android (android.graphics.Color)	4291335543 (0xFFC89577)
YUV	160.8290, -20.6217, 34.3530
Hunter-Lab	59.2505, 10.4808, 19.2215

# Details

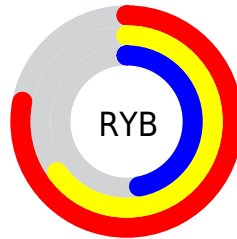
The Yxy color **35.1062, 0.3979, 0.3686** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.8483, 0.2507, 0.2850**, and the grayscale version is **35.6423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9121, 0.3789, 0.3624**, and **15.1069, 0.4255, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **30.9044, 0.4272, 0.3779**, and if you desaturate by 10%, it is **39.8434, 0.3719, 0.3586**.

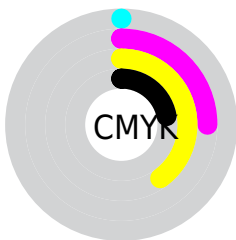
# Distribution



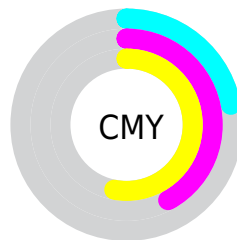
- Red (78%)
- Green (58%)
- Blue (47%)



- Red (78%)
- Yellow (65%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (22%)




- Cyan (22%)
- Magenta (42%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1062, 0.3979, 0.3686 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 35.1062, 0.3979, 0.3686 by changing the saturation by 10% instead.





 35.1062, 0.3979,  
0.3686


 35.1062, 0.3979,  
0.3686


325.0368, 0.3531,  
0.3494

 23.7447, 0.4097,  
0.3730


 67.6503, 0.3811,  
0.3619

 15.1443, 0.4251,  
0.3783


 89.6016, 0.3750,  
0.3592

 8.9208, 0.4460,  
0.3848


 115.8517, 0.3698,  
0.3570

 4.6895, 0.4756,  
0.3920

146.7849, 0.3655,  
0.3551

 2.0663, 0.5348,  
0.4099

182.7856, 0.3617,  
0.3534

 0.6456, 0.6066,  
0.3934

224.2382, 0.3585,

 0.0000, 0.0000,

0.3519

0.0000

271.5272, 0.3556,  
0.3506

■ 35.1062, 0.3979,  
0.3686

■ 35.1062, 0.3979,  
0.3686

■ 30.9044, 0.4272,  
0.3779

■ 39.8434, 0.3719,  
0.3586

■ 27.2131, 0.4593,  
0.3856

■ 45.1299, 0.3494,  
0.3484

■ 24.0123, 0.4929,  
0.3904


■ 50.9853, 0.3300,  
0.3387


■ 21.2788, 0.5258,  
0.3911


■ 57.4265, 0.3135,  
0.3294

■ 18.9868, 0.5553,  
0.3867


■ 64.4698, 0.2993,  
0.3209

 17.1832, 0.5788,  
0.3786

 72.1309, 0.2873,  
0.3130

 80.1630, 0.2792,  
0.3099

 87.7207, 0.2801,  
0.3234

 91.0187, 0.2805,  
0.3289

# Harmonies

## Analogous

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



35.1062, 0.3901, 0.3345



35.1062, 0.3979, 0.3686



35.1062, 0.3813, 0.3958

# Triad

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



35.1062, 0.3979, 0.3686



35.1062, 0.2657, 0.3577



35.1062, 0.2757, 0.2612

# Complementary

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



35.1062, 0.3979, 0.3686



36.8483, 0.2507, 0.2850

# 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.



35.1062, 0.2464, 0.2627



35.1062, 0.3979, 0.3686



35.1062, 0.2408, 0.3156

# Square

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



35.1062, 0.3979, 0.3686



35.1062, 0.3041, 0.3928



35.1062, 0.2341, 0.2813



35.1062, 0.3169, 0.2752



# Rectangle

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



35.1062, 0.3979, 0.3686



35.1062, 0.3595, 0.4053



35.1062, 0.2341, 0.2813



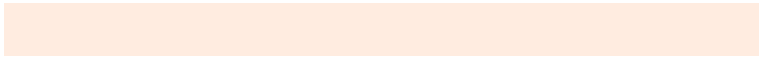
35.1062, 0.2643, 0.2599

# Sweetspot

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



35.1079, 0.3979, 0.3686



86.4993, 0.3331, 0.3403



28.3921, 0.3498, 0.2635



18.2194, 0.3355, 0.3416



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.



35.1079, 0.3979, 0.3686



54.0475, 0.4248, 0.3772



50.0920, 0.3776, 0.4167



11.2695, 0.3280, 0.3376



11.0844, 0.5763, 0.3806



0.6632, 0.5367, 0.4120



# Inverse Universe

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



36.8483, 0.2507, 0.2850



57.4406, 0.2375, 0.2729



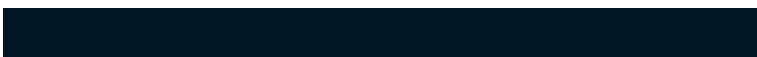
24.0113, 0.2409, 0.2225



11.3818, 0.2984, 0.3202



12.3067, 0.1901, 0.2042



0.7179, 0.1981, 0.2331



# Previews

## White Background



This preview shows how the Yxy color 35.1062, 0.3979, 0.3686 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 35.1062, 0.3979, 0.3686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

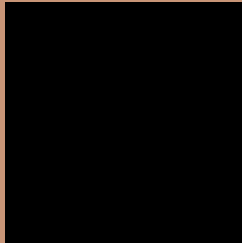
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.1062, 0.3979, 0.3686**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1062, 0.3979, 0.3686.



This preview shows how white text looks on a background with the Yxy color 35.1062, 0.3979, 0.3686.

# 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

35.1062, 0.3979, 0.3686

### Protanopia

35.2548, 0.3572, 0.3816

### Deuteranopia

35.2380, 0.3846, 0.3785



## Tritanopia

35.0096, 0.3645, 0.3149

# Trichromacy



**Original Color**

35.1062, 0.3979, 0.3686

**Protanomaly**

35.1272, 0.3723, 0.3770

**Deuteranomaly**

35.1019, 0.3899, 0.3751

**Tritanomaly**

35.0673, 0.3769, 0.3344

# Monochromacy



**Original Color**

35.1062, 0.3979, 0.3686

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

35.3032, 0.3411, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1062, 0.3979, 0.3686 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(200, 149, 119)` looks like.

```
.text, #text, p{  
    color:rgb(200, 149, 119)  
}
```

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(200, 149, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 149, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1062, 0.3979, 0.3686 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(200, 149, 119) }
```

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

```
.border{ border-color:rgb(200, 149, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 149, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 149, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 149, 119);  
box-shadow:4px 4px 4px 4px rgb(200, 149,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1062, 0.3979, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 149, 119) }
```

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

```
.background{ background-color: rgb(200,  
149, 119) }
```

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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