

Converting Colors

$Y_{xy}(31.2569, 0.4009, 0.3369)$

Have a look what the booklet for
Yxy(31.2569, 0.4009, 0.3369)
contains.

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Color

Yxy(31.1709, 0.4006, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	CC8580
RGB	204, 133, 128
RGB Percent	80%, 52%, 50%
CMY	0.2000, 0.4784, 0.4981
CMYK	0.00, 0.35, 0.37, 0.20
HSL	4°, 43%, 65%
HSV	4°, 37%, 80%
XYZ	37.1860, 31.1709, 24.4689
YIQ	153.6590, 43.9210, 13.4970

Conversions

Conversions Part 2

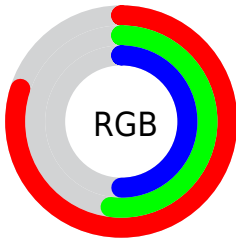
Format	Color
RYB	204, 133, 128
Decimal	13403520
CIELab	62.65, 26.68, 14.01
CIElCh	63, 30.133, 27.709
Yxy	31.1709, 0.4006, 0.3358
Android (android.graphics.Color)	4291593600 (0xFFCC8580)
YUV	153.6590, -12.6499, 44.1491
Hunter-Lab	55.8309, 21.1853, 13.0967

Details

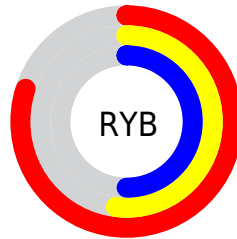
The Yxy color **31.1709, 0.4006, 0.3358** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.7841, 0.2601, 0.3220**, and the grayscale version is **32.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1368, 0.3757, 0.3355**, and **12.8950, 0.4317, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **25.9361, 0.4373, 0.3375**, and if you desaturate by 10%, it is **37.4628, 0.3700, 0.3339**.

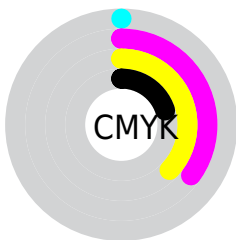
Distribution



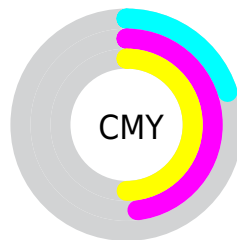
- Red (80%)
- Green (52%)
- Blue (50%)



- Red (80%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (35%)
- Yellow (37%)
- Black (20%)





- Cyan (20%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1709, 0.4006, 0.3358 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 31.1709, 0.4006, 0.3358 by changing the saturation by 10% instead.


 31.1709, 0.4006,
0.3358


 31.1709, 0.4006,
0.3358

307.3249, 0.3532,
0.3336

 20.7290, 0.4136,
0.3358


 61.5090, 0.3826,
0.3353

 12.9261, 0.4309,
0.3355


 82.1741, 0.3760,
0.3350

 7.3777, 0.4552,
0.3344


 107.0156, 0.3706,
0.3348

 3.6994, 0.4914,
0.3311

136.4181, 0.3661,
0.3345

 1.5069, 0.5565,
0.3256

170.7659, 0.3622,
0.3342

 0.2936, 0.7607,
0.2393


210.4433, 0.3588,


 0.0000, 0.0000,


0.3340


0.0000

255.8349, 0.3558,
0.3338


 31.1709, 0.4006,
0.3358


 31.1709, 0.4006,
0.3358


 25.9361, 0.4373,
0.3375


 37.4628, 0.3700,
0.3339


 21.6962, 0.4797,
0.3388


 44.8605, 0.3451,
0.3320


 18.3894, 0.5256,
0.3393

 53.4152, 0.3249,
0.3302

 15.9452, 0.5704,
0.3386

 63.1737, 0.3086,
0.3286

 14.2833, 0.6074,
0.3366

 74.1800, 0.2954,
0.3271

■ 13.3064, 0.6311,
0.3337

■ 86.4759, 0.2846,
0.3257

■ 13.1394, 0.6357,
0.3334

■ 91.5787, 0.2827,
0.3289

Harmonies

Analogous

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



31.1709, 0.3668, 0.2990



31.1709, 0.4006, 0.3358



31.1709, 0.4083, 0.3737

Triad

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



31.1709, 0.4006, 0.3358



31.1709, 0.3011, 0.4005



31.1709, 0.2394, 0.2546

Complementary

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



31.1709, 0.4006, 0.3358



49.7841, 0.2601, 0.3220

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.



31.1709, 0.2253, 0.2742



31.1709, 0.4006, 0.3358



31.1709, 0.2587, 0.3598

Square

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



31.1709, 0.4006, 0.3358



31.1709, 0.3487, 0.4164



31.1709, 0.2319, 0.3119



31.1709, 0.2724, 0.2538

Rectangle

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



31.1709, 0.4006, 0.3358



31.1709, 0.3977, 0.3956



31.1709, 0.2319, 0.3119



31.1709, 0.2325, 0.2590

Sweetspot

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



31.1724, 0.4006, 0.3358



82.7345, 0.3322, 0.3309



32.4497, 0.3207, 0.2417



17.2897, 0.3350, 0.3311



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.



31.1724, 0.4006, 0.3358



44.2912, 0.4307, 0.3373



43.0683, 0.3829, 0.3823



11.3308, 0.3288, 0.3306



8.3186, 0.6346, 0.3343



0.4718, 0.6171, 0.3482

Inverse Universe

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



49.7841, 0.2601, 0.3220



79.5884, 0.2506, 0.3202



34.8544, 0.2524, 0.2686



12.5950, 0.2984, 0.3274



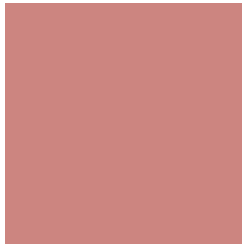
26.1147, 0.2190, 0.3084



1.3864, 0.2202, 0.3127

Previews

White Background



This preview shows how the Yxy color 31.1709, 0.4006, 0.3358 looks on a white background.

Color Contrast Check

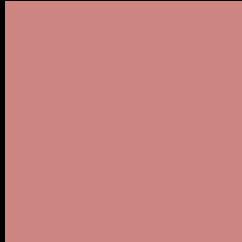
Large Text (above 18pt) WCAG AA × Fail

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 31.1709, 0.4006, 0.3358 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 31.1709, 0.4006, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 31.1709, 0.4006, 0.3358.



This preview shows how white text looks on a background with the Yxy color 31.1709, 0.4006, 0.3358.

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

31.1709, 0.4006, 0.3358

Protanopia

31.2085, 0.3334, 0.3506

Deuteranopia

31.2942, 0.3658, 0.3583



Tritanopia

31.1348, 0.3871, 0.3163

Trichromacy



Original Color

31.1709, 0.4006, 0.3358

Protanomaly

30.7817, 0.3569, 0.3437

Deuteranomaly

31.0212, 0.3779, 0.3489

Tritanomaly

31.2592, 0.3926, 0.3241

Monochromacy



Original Color

31.1709, 0.4006, 0.3358

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.3728, 0.3414, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1709, 0.4006, 0.3358 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(204, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 133, 128)  
}
```

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(204, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 133, 128) }
```

Border

The CSS property to change the border of an element to Yxy 31.1709, 0.4006, 0.3358 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(204, 133, 128) }
```

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

```
.border{ border-color:rgb(204, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 133,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1709, 0.4006, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 133, 128) }
```

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

```
.background{ background-color: rgb(204,  
133, 128) }
```

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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