

Converting Colors

$Y_{xy}(28.1235, 0.4196, 0.3579)$

Have a look what the booklet for
Yxy(28.1235, 0.4196, 0.3579)
contains.

Yxy(28.2356, 0.4195, 0.3575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2356, 0.4195, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	C4806B
RGB	196, 128, 107
RGB Percent	77%, 50%, 42%
CMY	0.2315, 0.4980, 0.5804
CMYK	0.00, 0.35, 0.45, 0.23
HSL	14°, 43%, 59%
HSV	14°, 45%, 77%
XYZ	33.1324, 28.2356, 17.6127
YIQ	145.9380, 47.2690, 7.8850

Conversions

Conversions Part 2

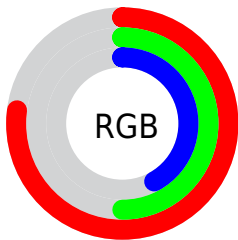
Format	Color
R_{YB}	196, 134, 107
Decimal	12877931
CIE _{Lab}	60.10, 23.87, 22.24
CIE _{LCh}	60, 32.622, 42.970
Yxy	28.2356, 0.4195, 0.3575
Android (android.graphics.Color)	4291068011 (0xFFC4806B)
YUV	145.9380, -19.1964, 43.9044
Hunter-Lab	53.1372, 18.3093, 17.5439

Details

The Yxy color **28.2356, 0.4195, 0.3575** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **37.7503, 0.2469, 0.2974**, and the grayscale version is **28.7842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8110, 0.3971, 0.3524**, and **11.3400, 0.4587, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **24.2487, 0.4549, 0.3628**, and if you desaturate by 10%, it is **32.8947, 0.3885, 0.3513**.

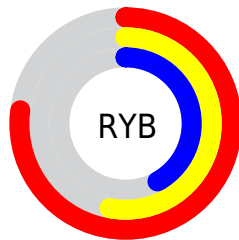
Distribution



Red (77%)

Green (50%)

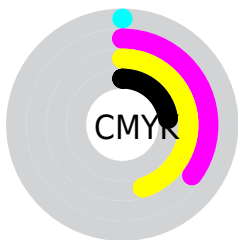
Blue (42%)



Red (77%)

Yellow (53%)

Blue (42%)

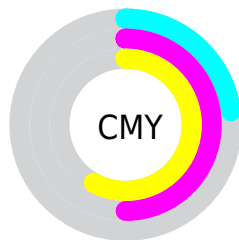


Cyan (0%)

Magenta (35%)

Yellow (45%)

Black (23%)



Cyan (23%)


Magenta (50%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2356, 0.4195, 0.3575 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 28.2356, 0.4195, 0.3575 by changing the saturation by 10% instead.


 28.2356, 0.4195,
0.3575


 28.2356, 0.4195,
0.3575

293.5910, 0.3612,
0.3445


 18.5033, 0.4356,
0.3600


 56.8604, 0.3972,
0.3532

 11.3120, 0.4571,
0.3626


 76.5217, 0.3891,
0.3515

 6.2771, 0.4870,
0.3646


 100.2614, 0.3825,
0.3499

 3.0143, 0.5310,
0.3641

 128.4640, 0.3769,
0.3486

 1.1392, 0.6286,
0.3714

161.5139, 0.3721,
0.3473

 0.0112, 0.9815,
0.0185

199.7954, 0.3680,

 0.0000, 0.0000,

0.3463

0.0000

243.6930, 0.3644,
0.3453

■ 28.2356, 0.4195,
0.3575

■ 28.2356, 0.4195,
0.3575

■ 24.2487, 0.4549,
0.3628

■ 32.8947, 0.3885,
0.3513

■ 20.8984, 0.4937,
0.3663

■ 38.2512, 0.3621,
0.3447

■ 18.1519, 0.5335,
0.3668


■ 44.3341, 0.3399,
0.3383


■ 15.9715, 0.5703,
0.3636

■ 51.1695, 0.3214,
0.3321

■ 14.3149, 0.5999,
0.3565


■ 58.7821, 0.3060,
0.3264

 13.7097, 0.6112,
0.3529

 67.1955, 0.2931,
0.3212

 76.4324, 0.2824,
0.3165

 85.9363, 0.2777,
0.3212

 90.4720, 0.2784,
0.3289

Harmonies

Analogous

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



28.2356, 0.3956, 0.3154



28.2356, 0.4195, 0.3575



28.2356, 0.4114, 0.3971

Triad

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



28.2356, 0.4195, 0.3575



28.2356, 0.2738, 0.3888



28.2356, 0.2475, 0.2437

Complementary

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



28.2356, 0.4195, 0.3575



37.7503, 0.2469, 0.2974

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.



28.2356, 0.2211, 0.2542



28.2356, 0.4195, 0.3575



28.2356, 0.2348, 0.3354

Square

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



28.2356, 0.4195, 0.3575



28.2356, 0.3254, 0.4226



28.2356, 0.2165, 0.2858



28.2356, 0.2926, 0.2529

Rectangle

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



28.2356, 0.4195, 0.3575



28.2356, 0.3902, 0.4170



28.2356, 0.2165, 0.2858



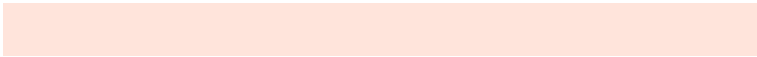
28.2356, 0.2364, 0.2449

Sweetspot

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



28.2370, 0.4195, 0.3575



81.7314, 0.3375, 0.3375



25.3503, 0.3414, 0.2419



16.9446, 0.3420, 0.3389



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.



28.2370, 0.4195, 0.3575



44.3114, 0.4529, 0.3626



42.3920, 0.3920, 0.4133



10.4556, 0.3283, 0.3345



8.9242, 0.6089, 0.3547



0.4958, 0.5642, 0.3902

Inverse Universe

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



37.7503, 0.2469, 0.2974



63.5128, 0.2356, 0.2896



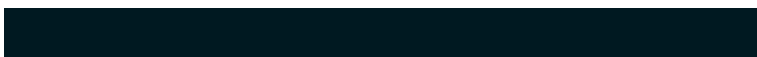
23.2685, 0.2345, 0.2263



11.0120, 0.2984, 0.3234



16.6507, 0.2033, 0.2517



0.8196, 0.2086, 0.2709

Previews

White Background



This preview shows how the Yxy color 28.2356, 0.4195, 0.3575 looks on a white background.

Color Contrast Check

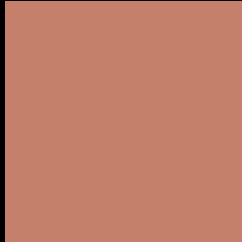
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2356, 0.4195, 0.3575 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 28.2356, 0.4195, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 28.2356, 0.4195, 0.3575.



This preview shows how white text looks on a background with the Yxy color 28.2356, 0.4195, 0.3575.

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

28.2356, 0.4195, 0.3575

Protanopia

28.4572, 0.3541, 0.3769

Deuteranopia

28.2558, 0.3873, 0.3800



Tritanopia

28.1423, 0.3906, 0.3159

Trichromacy



Original Color

28.2356, 0.4195, 0.3575

Protanomaly

28.1811, 0.3772, 0.3700

Deuteranomaly

28.1923, 0.3990, 0.3710

Tritanomaly

27.9928, 0.4015, 0.3306

Monochromacy



Original Color

28.2356, 0.4195, 0.3575

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.0237, 0.3481, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2356, 0.4195, 0.3575 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(196, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(196, 128, 107)  
}
```

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(196, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 128, 107) }
```

Border

The CSS property to change the border of an element to Yxy 28.2356, 0.4195, 0.3575 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(196, 128, 107) }
```

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

```
.border{ border-color:rgb(196, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(196, 128,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2356, 0.4195, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 128, 107) }
```

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

```
.background{ background-color: rgb(196,  
128, 107) }
```

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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