

Converting Colors

$Y_{xy}(27.8223, 0.4222, 0.3627)$

Have a look what the booklet for
Yxy(27.8223, 0.4222, 0.3627)
contains.

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Color

Yxy(27.8869, 0.4220, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	C28067
RGB	194, 128, 103
RGB Percent	76%, 50%, 40%
CMY	0.2393, 0.4980, 0.5961
CMYK	0.00, 0.34, 0.47, 0.24
HSL	17°, 43%, 58%
HSV	17°, 47%, 76%
XYZ	32.4106, 27.8869, 16.5048
YIQ	144.8840, 47.3610, 6.2170

Conversions

Conversions Part 2

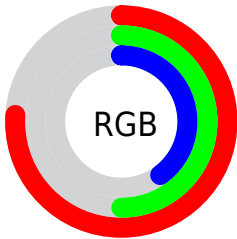
Format	Color
RYB	194, 137, 103
Decimal	12746855
CIELab	59.79, 22.65, 24.03
CIElCh	60, 33.021, 46.689
Yxy	27.8869, 0.4220, 0.3631
Android (android.graphics.Color)	4290936935 (0xFFC28067)
YUV	144.8840, -20.6488, 43.0747
Hunter-Lab	52.8080, 17.1390, 18.4349

Details

The Yxy color **27.8869, 0.4220, 0.3631** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1354, 0.2441, 0.2906**, and the grayscale version is **28.3374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2635, 0.3998, 0.3578**, and **11.1376, 0.4607, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **24.1245, 0.4566, 0.3691**, and if you desaturate by 10%, it is **32.2509, 0.3914, 0.3559**.

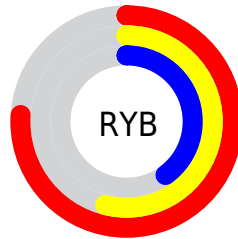
Distribution



Red (76%)

Green (50%)

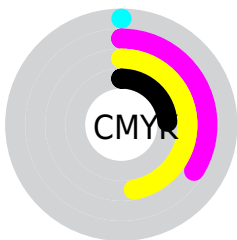
Blue (40%)



Red (76%)

Yellow (54%)

Blue (40%)

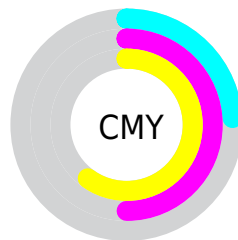


Cyan (0%)

Magenta (34%)

Yellow (47%)

Black (24%)



Cyan (24%)


Magenta (50%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8869, 0.4220, 0.3631 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 27.8869, 0.4220, 0.3631 by changing the saturation by 10% instead.


 27.8869, 0.4220,
0.3631


 27.8869, 0.4220,
0.3631


291.9261, 0.3624,
0.3472


 18.2404, 0.4384,
0.3663


 56.3038, 0.3992,
0.3578

 11.1227, 0.4603,
0.3697


 75.8431, 0.3909,
0.3556

 6.1494, 0.4907,
0.3727

 99.4487, 0.3841,
0.3537

 2.9362, 0.5362,
0.3740

 127.5050, 0.3784,
0.3521

 1.0985, 0.6238,
0.3762

160.3966, 0.3735,
0.3506

 0.0000, 1.0000,
0.0000

198.5077, 0.3693,

 0.0000, 0.0000,

0.3493

0.0000

242.2227, 0.3656,
0.3482

■ 27.8869, 0.4220,
0.3631

■ 27.8869, 0.4220,
0.3631

■ 24.1245, 0.4566,
0.3691

■ 32.2509, 0.3914,
0.3559

■ 20.9324, 0.4940,
0.3730

■ 37.2377, 0.3650,
0.3483

■ 18.2826, 0.5319,
0.3737

■ 42.8724, 0.3427,
0.3408


■ 16.1428, 0.5668,
0.3701

■ 49.1776, 0.3239,
0.3337


■ 14.4757, 0.5949,
0.3622

■ 56.1748, 0.3081,
0.3270

 14.0444, 0.6026,
0.3597

 63.8842, 0.2949,
0.3208

 72.3256, 0.2838,
0.3152

 81.3116, 0.2760,
0.3134

 89.9386, 0.2773,
0.3285

Harmonies

Analogous

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



27.8869, 0.4016, 0.3202



27.8869, 0.4220, 0.3631



27.8869, 0.4098, 0.4024

Triad

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



27.8869, 0.4220, 0.3631



27.8869, 0.2673, 0.3837



27.8869, 0.2513, 0.2426

Complementary

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



27.8869, 0.4220, 0.3631



35.1354, 0.2441, 0.2906

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.



27.8869, 0.2219, 0.2505



27.8869, 0.4220, 0.3631



27.8869, 0.2301, 0.3285

Square

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



27.8869, 0.4220, 0.3631



27.8869, 0.3188, 0.4218



27.8869, 0.2144, 0.2799



27.8869, 0.2989, 0.2541

Rectangle

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



27.8869, 0.4220, 0.3631



27.8869, 0.3863, 0.4211



27.8869, 0.2144, 0.2799



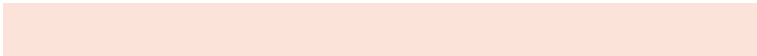
27.8869, 0.2392, 0.2429

Sweetspot

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



27.8883, 0.4220, 0.3631



80.6388, 0.3373, 0.3389



24.0570, 0.3463, 0.2428



17.1288, 0.3417, 0.3405



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.



27.8883, 0.4220, 0.3631



43.7291, 0.4565, 0.3691



42.2353, 0.3930, 0.4193



10.5187, 0.3282, 0.3354



9.3559, 0.6003, 0.3615



0.5237, 0.5549, 0.3976

Inverse Universe

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



35.1354, 0.2441, 0.2906



58.3158, 0.2319, 0.2808



21.2486, 0.2308, 0.2174



10.9448, 0.2984, 0.3225



15.1592, 0.1995, 0.2381



0.7653, 0.2058, 0.2607

Previews

White Background



This preview shows how the Yxy color 27.8869, 0.4220, 0.3631 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 27.8869, 0.4220, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

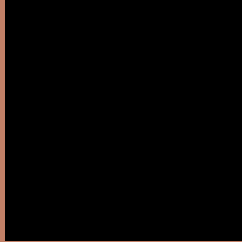
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8869, 0.4220, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 27.8869, 0.4220, 0.3631.



This preview shows how white text looks on a background with the Yxy color 27.8869, 0.4220, 0.3631.

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

27.8869, 0.4220, 0.3631

Protanopia

27.9423, 0.3586, 0.3837

Deuteranopia

27.8872, 0.3922, 0.3845



Tritanopia

27.8445, 0.3895, 0.3171

Trichromacy



Original Color

27.8869, 0.4220, 0.3631

Protanomaly

27.6735, 0.3821, 0.3763

Deuteranomaly

27.7128, 0.4030, 0.3755

Tritanomaly

27.6745, 0.4017, 0.3333

Monochromacy



Original Color

27.8869, 0.4220, 0.3631

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.8635, 0.3492, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8869, 0.4220, 0.3631 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(194, 128, 103)` looks like.

```
.text, #text, p{  
    color:rgb(194, 128, 103)  
}
```

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(194, 128, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 128, 103) }
```

Border

The CSS property to change the border of an element to Yxy 27.8869, 0.4220, 0.3631 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(194, 128, 103) }
```

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

```
.border{ border-color:rgb(194, 128, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 128, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 128, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 128, 103);  
box-shadow:4px 4px 4px 4px rgb(194, 128,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8869, 0.4220, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 128, 103) }
```

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

```
.background{ background-color: rgb(194,  
128, 103) }
```

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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