

Converting Colors

$Y_{xy}(27.9512, 0.4600, 0.3995)$

Have a look what the booklet for
Yxy(27.9512, 0.4600, 0.3995)
contains.

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Color

Yxy(27.9120, 0.4603, 0.3992)

Conversions

Conversions Part 1

Format	Color
Hex	C68048
RGB	198, 128, 72
RGB Percent	78%, 50%, 28%
CMY	0.2234, 0.4981, 0.7176
CMYK	0.00, 0.35, 0.64, 0.22
HSL	27°, 53%, 53%
HSV	27°, 64%, 78%
XYZ	32.1841, 27.9120, 9.8237
YIQ	142.5460, 59.6960, -2.5760

Conversions

Conversions Part 2

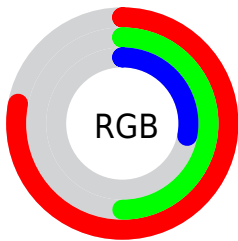
Format	Color
RYB	198, 173, 72
Decimal	13008968
CIELab	59.81, 21.74, 41.00
CIELCh	60, 46.409, 62.070
Yxy	27.9120, 0.4603, 0.3992
Android (android.graphics.Color)	4291199048 (0xFFC68048)
YUV	142.5460, -34.7792, 48.6332
Hunter-Lab	52.8318, 16.2830, 25.9577

Details

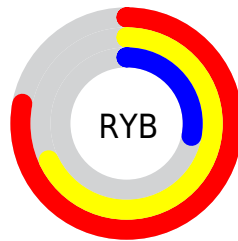
The Yxy color **27.9120, 0.4603, 0.3992** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.8189, 0.2160, 0.2377**, and the grayscale version is **27.4022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7129, 0.4287, 0.3898**, and **11.0902, 0.5061, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **24.9782, 0.4903, 0.4045**, and if you desaturate by 10%, it is **31.2434, 0.4307, 0.3906**.

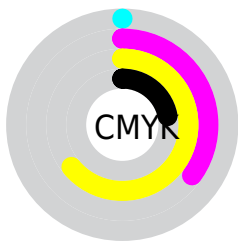
Distribution



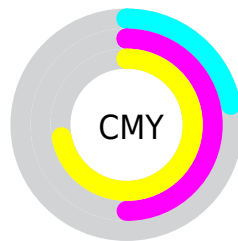
- Red (78%)
- Green (50%)
- Blue (28%)



- Red (78%)
- Yellow (68%)
- Blue (28%)



- Cyan (0%)
- Magenta (35%)
- Yellow (64%)
- Black (22%)





- Cyan (22%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9120, 0.4603, 0.3992 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 27.9120, 0.4603, 0.3992 by changing the saturation by 10% instead.


 27.9120, 0.4603,
0.3992


 27.9120, 0.4603,
0.3992


292.0462, 0.3817,
0.3671


 18.2593, 0.4803,
0.4049


 56.3439, 0.4312,
0.3889

 11.1363, 0.5054,
0.4102


 75.8920, 0.4203,
0.3846

 6.1586, 0.5377,
0.4135


 99.5072, 0.4112,
0.3807

 2.9418, 0.5853,
0.4147

 127.5742, 0.4035,
0.3773

 1.1014, 0.6188,
0.3812

 160.4771, 0.3969,
0.3743

 0.0000, 1.0000,
0.0000

198.6005, 0.3912,

 0.0000, 0.0000,

0.3716

0.0000

242.3287, 0.3861,
0.3692

■ 27.9120, 0.4603,
0.3992

■ 27.9120, 0.4603,
0.3992

■ 24.9782, 0.4903,
0.4045

■ 31.2434, 0.4307,
0.3906

■ 22.4195, 0.5188,
0.4051

■ 34.9847, 0.4029,
0.3798

■ 20.2168, 0.5437,
0.4004

■ 39.1529, 0.3776,
0.3680

■ 18.9837, 0.5578,
0.3953

■ 43.7626, 0.3551,
0.3560

■ 48.8274, 0.3354,
0.3442

■ 54.3606, 0.3183,
0.3329

■ 60.3745, 0.3036,
0.3224

■ 66.8812, 0.2908,
0.3127

■ 73.8922, 0.2798,
0.3037

Harmonies

Analogous

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



27.9120, 0.4580, 0.3427



27.9120, 0.4603, 0.3992



27.9120, 0.4200, 0.4488

Triad

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



27.9120, 0.4603, 0.3992



27.9120, 0.2198, 0.3661



27.9120, 0.2582, 0.2184

Complementary

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



27.9120, 0.4603, 0.3992



24.8189, 0.2160, 0.2377

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.



27.9120, 0.2065, 0.2140



27.9120, 0.4603, 0.3992



27.9120, 0.1862, 0.2878

Square

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



27.9120, 0.4603, 0.3992



27.9120, 0.2805, 0.4412



27.9120, 0.1823, 0.2358



27.9120, 0.3319, 0.2449

Rectangle

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



27.9120, 0.4603, 0.3992



27.9120, 0.3776, 0.4683



27.9120, 0.1823, 0.2358



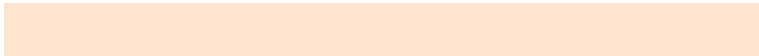
27.9120, 0.2380, 0.2143

Sweetspot

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



27.9134, 0.4603, 0.3992



81.2690, 0.3462, 0.3508



18.6422, 0.3955, 0.2409



16.8485, 0.3521, 0.3542



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.



27.9134, 0.4603, 0.3992



42.5552, 0.5006, 0.4053



49.1450, 0.4064, 0.4667



11.3995, 0.3279, 0.3393



12.5063, 0.5555, 0.3971



0.7361, 0.5201, 0.4252

Inverse Universe

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



24.8189, 0.2160, 0.2377



36.5629, 0.2002, 0.2143



11.2547, 0.1928, 0.1376



11.2487, 0.2983, 0.3185



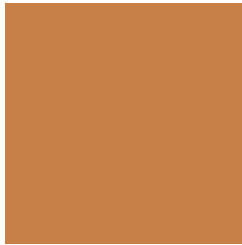
10.0838, 0.1829, 0.1782



0.6203, 0.1924, 0.2127

Previews

White Background



This preview shows how the Yxy color 27.9120, 0.4603, 0.3992 looks on a white background.

Color Contrast Check

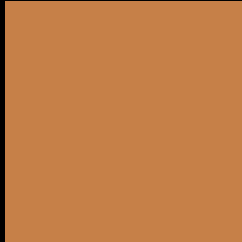
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9120, 0.4603, 0.3992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

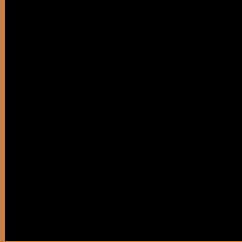
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9120, 0.4603, 0.3992

Background



This preview shows how black text looks on a background with the Yxy color 27.9120, 0.4603, 0.3992.



This preview shows how white text looks on a background with the Yxy color 27.9120, 0.4603, 0.3992.

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

27.9120, 0.4603, 0.3992

Protanopia

28.1718, 0.3953, 0.4317

Deuteranopia

28.0841, 0.4304, 0.4233



Tritanopia

27.8430, 0.4016, 0.3175

Trichromacy



Original Color

27.9120, 0.4603, 0.3992

Protanomaly

27.8713, 0.4183, 0.4198

Deuteranomaly

27.8194, 0.4411, 0.4136

Tritanomaly

27.9369, 0.4254, 0.3490

Monochromacy



Original Color

27.9120, 0.4603, 0.3992

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2478, 0.3639, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9120, 0.4603, 0.3992 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(198, 128, 72)` looks like.

```
.text, #text, p{  
    color:rgb(198, 128, 72)  
}
```

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(198, 128, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 128, 72) }
```

Border

The CSS property to change the border of an element to Yxy 27.9120, 0.4603, 0.3992 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(198, 128, 72) }
```

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

```
.border{ border-color:rgb(198, 128, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 128, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 128, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 128, 72);  
box-shadow:4px 4px 4px 4px rgb(198, 128,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9120, 0.4603, 0.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 128, 72) }
```

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

```
.background{ background-color: rgb(198,  
128, 72) }
```

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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