

Converting Colors

$Y_{xy}(27.8316, 0.4539, 0.4024)$

Have a look what the booklet for
Yxy(27.8316, 0.4539, 0.4024)
contains.

Yxy(27.9156, 0.4530, 0.4023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9156, 0.4530, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	C28249
RGB	194, 130, 73
RGB Percent	76%, 51%, 29%
CMY	0.2392, 0.4902, 0.7136
CMYK	0.00, 0.33, 0.62, 0.24
HSL	28°, 50%, 52%
HSV	28°, 62%, 76%
XYZ	31.4337, 27.9156, 10.0407
YIQ	142.6380, 56.4410, -4.1590

Conversions

Conversions Part 2

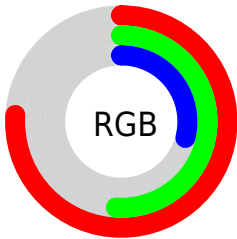
Format	Color
RYB	194, 181, 73
Decimal	12747337
CIELab	59.81, 18.99, 40.35
CIElCh	60, 44.600, 64.794
Yxy	27.9156, 0.4530, 0.4023
Android (android.graphics.Color)	4290937417 (0xFFC28249)
YUV	142.6380, -34.3315, 45.0445
Hunter-Lab	52.8352, 13.7348, 25.7173

Details

The Yxy color **27.9156, 0.4530, 0.4023** 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 **23.2117, 0.2165, 0.2344**, and the grayscale version is **27.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3679, 0.4259, 0.3911**, and **11.0417, 0.4962, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **25.1028, 0.4817, 0.4087**, and if you desaturate by 10%, it is **31.0838, 0.4247, 0.3927**.

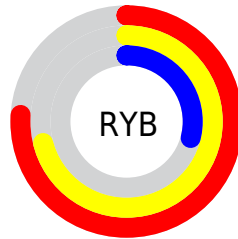
Distribution



Red (76%)

Green (51%)

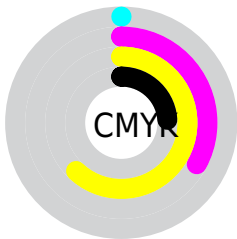
Blue (29%)



Red (76%)

Yellow (71%)

Blue (29%)

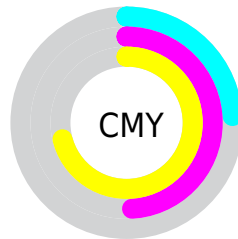


Cyan (0%)

Magenta (33%)

Yellow (62%)

Black (24%)



Cyan (24%)


Magenta (49%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9156, 0.4530, 0.4023 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 27.9156, 0.4530, 0.4023 by changing the saturation by 10% instead.


 27.9156, 0.4530,
0.4023


 27.9156, 0.4530,
0.4023

292.0634, 0.3783,
0.3679


 18.2620, 0.4720,
0.4089


 56.3497, 0.4253,
0.3910

 11.1383, 0.4960,
0.4155


 75.8990, 0.4150,
0.3863

 6.1599, 0.5266,
0.4206

 99.5156, 0.4064,
0.3822

 2.9426, 0.5738,
0.4262

 127.5841, 0.3990,
0.3786

 1.1018, 0.6040,
0.3960

 160.4887, 0.3927,
0.3755

 0.0000, 1.0000,
0.0000

198.6138, 0.3873,

 0.0000, 0.0000,

0.3727

0.0000

242.3439, 0.3825,
0.3702

■ 27.9156, 0.4530,
0.4023

■ 27.9156, 0.4530,
0.4023

■ 25.1028, 0.4817,
0.4087

■ 31.0838, 0.4247,
0.3927

■ 22.6256, 0.5092,
0.4106

■ 34.6176, 0.3980,
0.3811

■ 20.4676, 0.5335,
0.4072

■ 38.5317, 0.3737,
0.3686

■ 19.0140, 0.5497,
0.4017

■ 42.8386, 0.3520,
0.3559

■ 47.5503, 0.3330,
0.3435

■ 52.6781, 0.3163,
0.3317

■ 58.2326, 0.3018,
0.3206

■ 64.2244, 0.2893,
0.3104

■ 70.6634, 0.2784,
0.3011

Harmonies

Analogous

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



27.9156, 0.4546, 0.3477



27.9156, 0.4530, 0.4023



27.9156, 0.4116, 0.4482

Triad

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



27.9156, 0.4530, 0.4023



27.9156, 0.2191, 0.3574



27.9156, 0.2660, 0.2235

Complementary

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



27.9156, 0.4530, 0.4023



23.2117, 0.2165, 0.2344

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.



27.9156, 0.2136, 0.2172



27.9156, 0.4530, 0.4023



27.9156, 0.1889, 0.2839

Square

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



27.9156, 0.4530, 0.4023



27.9156, 0.2759, 0.4311



27.9156, 0.1875, 0.2361



27.9156, 0.3383, 0.2510

Rectangle

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



27.9156, 0.4530, 0.4023



27.9156, 0.3697, 0.4641



27.9156, 0.1875, 0.2361



27.9156, 0.2458, 0.2188

Sweetspot

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



27.9170, 0.4530, 0.4023



80.1417, 0.3460, 0.3520



18.0606, 0.3994, 0.2472



17.0210, 0.3518, 0.3557



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.



27.9170, 0.4530, 0.4023



43.6890, 0.4925, 0.4100



48.7619, 0.4020, 0.4683



10.8426, 0.3277, 0.3399



12.6632, 0.5476, 0.4034



0.6850, 0.5117, 0.4319

Inverse Universe

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



23.2117, 0.2165, 0.2344



34.4101, 0.1995, 0.2090



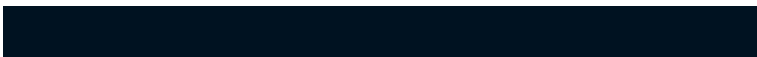
10.6300, 0.1940, 0.1362



10.6102, 0.2984, 0.3179



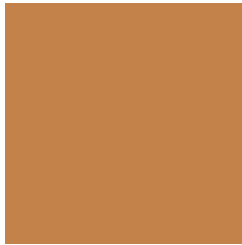
9.0560, 0.1804, 0.1693



0.5284, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 27.9156, 0.4530, 0.4023 looks on a white background.

Color Contrast Check

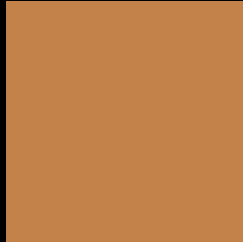
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9156, 0.4530, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

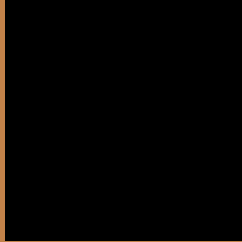
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9156, 0.4530, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 27.9156, 0.4530, 0.4023.



This preview shows how white text looks on a background with the Yxy color 27.9156, 0.4530, 0.4023.

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

27.9156, 0.4530, 0.4023

Protanopia

28.1718, 0.3953, 0.4317

Deuteranopia

28.0969, 0.4295, 0.4221



Tritanopia

27.8376, 0.3935, 0.3172

Trichromacy



Original Color

27.9156, 0.4530, 0.4023

Protanomaly

28.0486, 0.4163, 0.4216

Deuteranomaly

27.9862, 0.4381, 0.4142

Tritanomaly

27.9397, 0.4171, 0.3494

Monochromacy



Original Color

27.9156, 0.4530, 0.4023

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.1663, 0.3617, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9156, 0.4530, 0.4023 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, 130, 73)` looks like.

```
.text, #text, p{  
    color:rgb(194, 130, 73)  
}
```

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, 130, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 130, 73) }
```

Border

The CSS property to change the border of an element to Yxy 27.9156, 0.4530, 0.4023 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, 130, 73) }
```

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

```
.border{ border-color:rgb(194, 130, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 130, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 130, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 130, 73);  
box-shadow:4px 4px 4px 4px rgb(194, 130,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9156, 0.4530, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 130, 73) }
```

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

```
.background{ background-color: rgb(194,  
130, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor