

Converting Colors

$Y_{xy}(27.1623, 0.4519, 0.3969)$

Have a look what the booklet for
Yxy(27.1623, 0.4519, 0.3969)
contains.

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Color

Yxy(27.2838, 0.4519, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	C1804B
RGB	193, 128, 75
RGB Percent	76%, 50%, 29%
CMY	0.2432, 0.4980, 0.7059
CMYK	0.00, 0.34, 0.61, 0.24
HSL	27°, 49%, 53%
HSV	27°, 61%, 76%
XYZ	30.9788, 27.2838, 10.2897
YIQ	141.3930, 55.7530, -2.7030

Conversions

Conversions Part 2

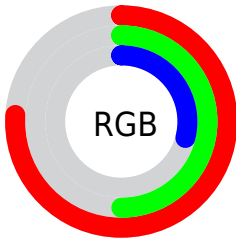
Format	Color
R _Y B	193, 171, 75
Decimal	12681291
CIE Lab	59.24, 19.80, 38.62
CIE LCh	59, 43.400, 62.854
Yxy	27.2838, 0.4519, 0.3980
Android (android.graphics.Color)	4290871371 (0xFFC1804B)
YUV	141.3930, -32.7317, 45.2593
Hunter-Lab	52.2339, 14.4551, 24.8840

Details

The Yxy color **27.2838, 0.4519, 0.3980** 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 **24.0934, 0.2191, 0.2411**, and the grayscale version is **26.9139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4111, 0.4246, 0.3874**, and **10.7669, 0.4968, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **24.4307, 0.4817, 0.4044**, and if you desaturate by 10%, it is **30.5102, 0.4229, 0.3886**.

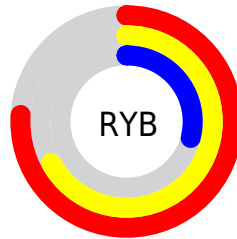
Distribution



Red (76%)

Green (50%)

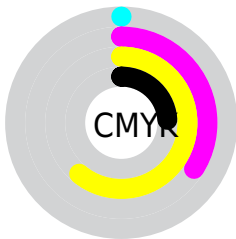
Blue (29%)



Red (76%)

Yellow (67%)

Blue (29%)

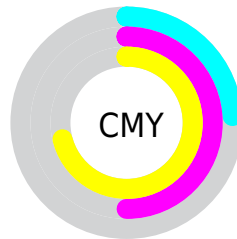


Cyan (0%)

Magenta (34%)

Yellow (61%)

Black (24%)



Cyan (24%)


Magenta (50%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2838, 0.4519, 0.3980 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 27.2838, 0.4519, 0.3980 by changing the saturation by 10% instead.

 27.2838, 0.4519,
0.3980


 27.2838, 0.4519,
0.3980


289.0286, 0.3773,
0.3656


 17.7865, 0.4712,
0.4042


 55.3389, 0.4240,
0.3873


 10.7968, 0.4957,
0.4104


 74.6655, 0.4137,
0.3829

 5.9304, 0.5273,
0.4150

 98.0374, 0.4051,
0.3791

 2.8028, 0.5786,
0.4214

 125.8388, 0.3978,
0.3757

 1.0297, 0.6109,
0.3891

 158.4543, 0.3916,
0.3727

 0.0000, 1.0000,
0.0000

196.2681, 0.3862,

 0.0000, 0.0000,

0.3701

0.0000

239.6648, 0.3814,
0.3677

■ 27.2838, 0.4519,
0.3980

■ 27.2838, 0.4519,
0.3980

■ 24.4307, 0.4817,
0.4044

■ 30.5102, 0.4229,
0.3886

■ 21.9304, 0.5105,
0.4064

■ 34.1209, 0.3959,
0.3774

■ 19.7659, 0.5363,
0.4033

■ 38.1312, 0.3715,
0.3654

■ 18.1054, 0.5560,
0.3967

■ 42.5544, 0.3498,
0.3532

■ 47.4031, 0.3309,
0.3414

■ 52.6892, 0.3144,
0.3302

■ 58.4241, 0.3002,
0.3198

■ 64.6187, 0.2879,
0.3102

■ 71.2836, 0.2773,
0.3013

Harmonies

Analogous

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



27.2838, 0.4503, 0.3442



27.2838, 0.4519, 0.3980



27.2838, 0.4135, 0.4438

Triad

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



27.2838, 0.4519, 0.3980



27.2838, 0.2237, 0.3620



27.2838, 0.2629, 0.2241

Complementary

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



27.2838, 0.4519, 0.3980



24.0934, 0.2191, 0.2411

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.



27.2838, 0.2128, 0.2195



27.2838, 0.4519, 0.3980



27.2838, 0.1921, 0.2890

Square

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



27.2838, 0.4519, 0.3980



27.2838, 0.2810, 0.4325



27.2838, 0.1888, 0.2400



27.2838, 0.3331, 0.2500

Rectangle

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



27.2838, 0.4519, 0.3980



27.2838, 0.3732, 0.4608



27.2838, 0.1888, 0.2400



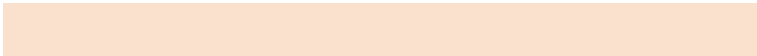
27.2838, 0.2435, 0.2200

Sweetspot

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



27.2852, 0.4519, 0.3980



78.6297, 0.3441, 0.3498



18.3163, 0.3906, 0.2435



16.3393, 0.3500, 0.3533



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2852, 0.4519, 0.3980



42.3511, 0.4905, 0.4055



46.5916, 0.4034, 0.4625



10.8064, 0.3278, 0.3394



12.1992, 0.5538, 0.3984



0.6645, 0.5164, 0.4282

Inverse Universe

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



24.0934, 0.2191, 0.2411



36.0861, 0.2032, 0.2184



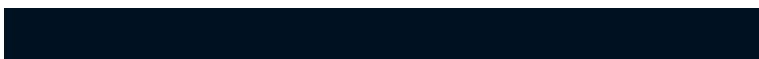
11.5113, 0.1977, 0.1458



10.6468, 0.2984, 0.3184



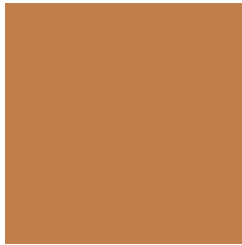
9.6172, 0.1824, 0.1767



0.5516, 0.1928, 0.2139

Previews

White Background



This preview shows how the Yxy color 27.2838, 0.4519, 0.3980 looks on a white background.

Color Contrast Check

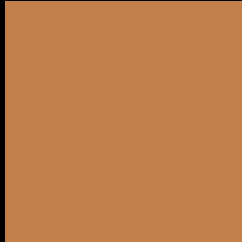
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2838, 0.4519, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

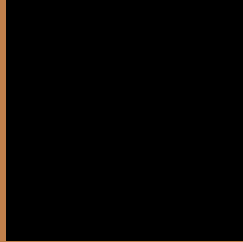
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2838, 0.4519, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 27.2838, 0.4519, 0.3980.



This preview shows how white text looks on a background with the Yxy color 27.2838, 0.4519, 0.3980.

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

27.2838, 0.4519, 0.3980

Protanopia

27.3922, 0.3926, 0.4272

Deuteranopia

27.3195, 0.4272, 0.4181



Tritanopia

27.1838, 0.3945, 0.3158

Trichromacy



Original Color

27.2838, 0.4519, 0.3980

Protanomaly

27.2731, 0.4137, 0.4173

Deuteranomaly

27.2146, 0.4359, 0.4102

Tritanomaly

27.2988, 0.4172, 0.3468

Monochromacy



Original Color

27.2838, 0.4519, 0.3980

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.3663, 0.3612, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2838, 0.4519, 0.3980 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(193, 128, 75)` looks like.

```
.text, #text, p{  
    color:rgb(193, 128, 75)  
}
```

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(193, 128, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 128, 75) }
```

Border

The CSS property to change the border of an element to Yxy 27.2838, 0.4519, 0.3980 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(193, 128, 75) }
```

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

```
.border{ border-color:rgb(193, 128, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 128, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 128, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 128, 75);  
box-shadow:4px 4px 4px 4px rgb(193, 128,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2838, 0.4519, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 128, 75) }
```

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

```
.background{ background-color: rgb(193,  
128, 75) }
```

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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