

Converting Colors

$Y_{xy}(23.1143, 0.4828, 0.3917)$

Have a look what the booklet for
Yxy(23.1143, 0.4828, 0.3917)
contains.

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Color

Yxy(23.2627, 0.4829, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	C1703D
RGB	193, 112, 61
RGB Percent	76%, 44%, 24%
CMY	0.2431, 0.5608, 0.7609
CMYK	0.00, 0.42, 0.68, 0.24
HSL	23°, 52%, 50%
HSV	23°, 68%, 76%
XYZ	28.6278, 23.2627, 7.3926
YIQ	130.4050, 64.6470, 1.3110

Conversions

Conversions Part 2

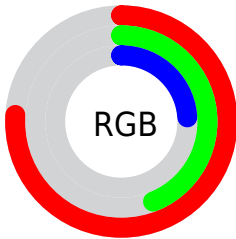
Format	Color
R_{YB}	193, 144, 61
Decimal	12677181
CIE _{Lab}	55.34, 27.65, 41.41
CIE _{LCh}	55, 49.796, 56.267
Yxy	23.2627, 0.4829, 0.3924
Android (android.graphics.Color)	4290867261 (0xFFC1703D)
YUV	130.4050, -34.2167, 54.8958
Hunter-Lab	48.2314, 21.5439, 24.6744

Details

The Yxy color **23.2627, 0.4829, 0.3924** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.1772, 0.2135, 0.2432**, and the grayscale version is **22.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7475, 0.4490, 0.3842**, and **8.6524, 0.5366, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **20.6487, 0.5153, 0.3944**, and if you desaturate by 10%, it is **26.2975, 0.4503, 0.3865**.

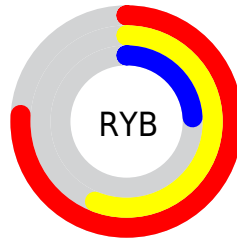
Distribution



Red (76%)

Green (44%)

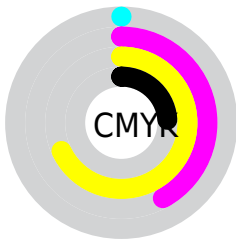
Blue (24%)



Red (76%)

Yellow (56%)

Blue (24%)

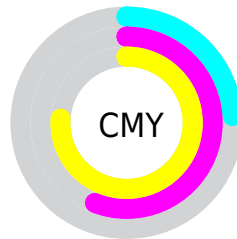


Cyan (0%)

Magenta (42%)

Yellow (68%)

Black (24%)



Cyan (24%)

Magenta (56%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2627, 0.4829, 0.3924 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 23.2627, 0.4829, 0.3924 by changing the saturation by 10% instead.


 23.2627, 0.4829,
0.3924


 23.2627, 0.4829,
0.3924


269.0714, 0.3900,
0.3650


 14.7876, 0.5071,
0.3958


 48.8243, 0.4479,
0.3845


 8.6705, 0.5375,
0.3973

 66.6796, 0.4351,
0.3808


 4.5269, 0.5860,
0.3999

 88.4305, 0.4244,
0.3774

 1.9724, 0.6243,
0.3757

 114.4612, 0.4153,
0.3744

 0.5914, 0.6877,
0.3123

 145.1563, 0.4076,
0.3716

 0.0000, 1.0000,
0.0000

 180.9001, 0.4009,

 0.0000, 0.0000,

0.3692

0.0000

222.0770, 0.3951,
0.3670

■ 23.2627, 0.4829,
0.3924

■ 23.2627, 0.4829,
0.3924

■ 20.6487, 0.5153,
0.3944

■ 26.2975, 0.4503,
0.3865

■ 18.4301, 0.5451,
0.3915

■ 29.7694, 0.4194,
0.3780

■ 16.5804, 0.5701,
0.3838

■ 33.6977, 0.3913,
0.3681

■ 16.3154, 0.5739,
0.3825

■ 38.0996, 0.3665,
0.3575

■ 42.9913, 0.3449,
0.3471

■ 48.3881, 0.3263,
0.3370

■ 54.3047, 0.3103,
0.3275

■ 60.7549, 0.2967,
0.3188

■ 67.7522, 0.2850,
0.3107

Harmonies

Analogous

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



23.2627, 0.4712, 0.3301



23.2627, 0.4829, 0.3924



23.2627, 0.4435, 0.4522

Triad

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



23.2627, 0.4829, 0.3924



23.2627, 0.2184, 0.3898



23.2627, 0.2374, 0.2030

Complementary

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



23.2627, 0.4829, 0.3924



24.1772, 0.2135, 0.2432

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.



23.2627, 0.1866, 0.2027



23.2627, 0.4829, 0.3924



23.2627, 0.1757, 0.2960

Square

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



23.2627, 0.4829, 0.3924



23.2627, 0.2901, 0.4710



23.2627, 0.1660, 0.2317



23.2627, 0.3163, 0.2278

Rectangle

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



23.2627, 0.4829, 0.3924



23.2627, 0.3984, 0.4818



23.2627, 0.1660, 0.2317



23.2627, 0.2171, 0.1999

Sweetspot

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



23.2639, 0.4829, 0.3924



74.3468, 0.3509, 0.3501



16.6368, 0.3932, 0.2290



15.4235, 0.3568, 0.3530



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.



23.2639, 0.4829, 0.3924



34.9583, 0.5303, 0.3937



43.3535, 0.4169, 0.4673



10.7020, 0.3279, 0.3379



10.9967, 0.5716, 0.3843



0.6089, 0.5301, 0.4173

Inverse Universe

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



24.1772, 0.2135, 0.2432



36.4622, 0.1990, 0.2210



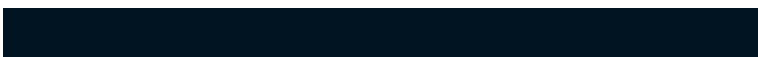
10.0627, 0.1866, 0.1326



10.7534, 0.2984, 0.3199



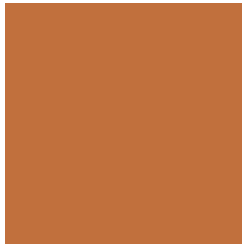
11.3998, 0.1885, 0.1986



0.6229, 0.1975, 0.2309

Previews

White Background



This preview shows how the Yxy color 23.2627, 0.4829, 0.3924 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 23.2627, 0.4829, 0.3924 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 23.2627, 0.4829, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 23.2627, 0.4829, 0.3924.



This preview shows how white text looks on a background with the Yxy color 23.2627, 0.4829, 0.3924.

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

23.2627, 0.4829, 0.3924

Protanopia

23.3955, 0.3996, 0.4356

Deuteranopia

23.4735, 0.4378, 0.4310



Tritanopia

23.2587, 0.4241, 0.3186

Trichromacy



Original Color

23.2627, 0.4829, 0.3924

Protanomaly

22.9414, 0.4312, 0.4192

Deuteranomaly

23.3385, 0.4543, 0.4174

Tritanomaly

23.1534, 0.4481, 0.3466

Monochromacy



Original Color

23.2627, 0.4829, 0.3924

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9581, 0.3725, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2627, 0.4829, 0.3924 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, 112, 61)` looks like.

```
.text, #text, p{  
    color:rgb(193, 112, 61)  
}
```

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, 112, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 112, 61) }
```

Border

The CSS property to change the border of an element to Yxy 23.2627, 0.4829, 0.3924 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, 112, 61) }
```

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

```
.border{ border-color:rgb(193, 112, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 112, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 112, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 112, 61);  
box-shadow:4px 4px 4px 4px rgb(193, 112,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2627, 0.4829, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 112, 61) }
```

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

```
.background{ background-color: rgb(193,  
112, 61) }
```

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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