

Converting Colors

$Y_{xy}(27.9590, 0.4844, 0.3984)$

Have a look what the booklet for
Yxy(27.9590, 0.4844, 0.3984)
contains.

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Color

Yxy(27.9236, 0.4849, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	D07B3E
RGB	208, 123, 62
RGB Percent	82%, 48%, 24%
CMY	0.1842, 0.5177, 0.7567
CMYK	0.00, 0.41, 0.70, 0.18
HSL	25°, 61%, 53%
HSV	25°, 70%, 82%
XYZ	33.9693, 27.9236, 8.1613
YIQ	141.4610, 70.2410, -0.9510

Conversions

Conversions Part 2

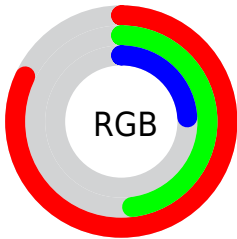
Format	Color
R _Y B	208, 167, 62
Decimal	13663038
CIE Lab	59.82, 28.02, 46.40
CIE LCh	60, 54.202, 58.871
Yxy	27.9236, 0.4849, 0.3986
Android (android.graphics.Color)	4291853118 (0xFFD07B3E)
YUV	141.4610, -39.1743, 58.3547
Hunter-Lab	52.8428, 22.2715, 27.8329

Details

The Yxy color **27.9236, 0.4849, 0.3986** 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 **26.4649, 0.2093, 0.2325**, and the grayscale version is **26.9647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4805, 0.4399, 0.3942**, and **11.0851, 0.5344, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **24.9166, 0.5156, 0.4003**, and if you desaturate by 10%, it is **31.3929, 0.4535, 0.3927**.

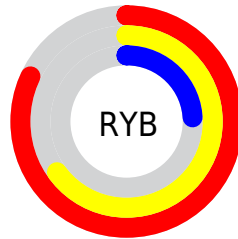
Distribution



Red (82%)

Green (48%)

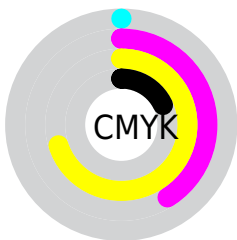
Blue (24%)



Red (82%)

Yellow (65%)

Blue (24%)

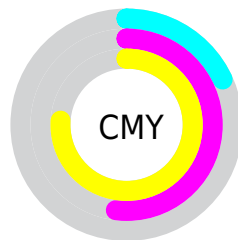


Cyan (0%)

Magenta (41%)

Yellow (70%)

Black (18%)



Cyan (18%)

Magenta (52%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9236, 0.4849, 0.3986 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 27.9236, 0.4849, 0.3986 by changing the saturation by 10% instead.


 27.9236, 0.4849,
0.3986


 27.9236, 0.4849,
0.3986


292.1017, 0.3941,
0.3694


 18.2681, 0.5072,
0.4023


 56.3624, 0.4517,
0.3903

 11.1426, 0.5347,
0.4042


 75.9146, 0.4392,
0.3864

 6.1628, 0.5725,
0.4045

 99.5343, 0.4286,
0.3828

 2.9444, 0.6105,
0.3895

 127.6061, 0.4196,
0.3796

 1.1028, 0.6509,
0.3491

 160.5144, 0.4119,
0.3767

 0.0000, 1.0000,
0.0000

 198.6434, 0.4052,

 0.0000, 0.0000,

0.3740

0.0000

242.3777, 0.3993,
0.3716

■ 27.9236, 0.4849,
0.3986

■ 27.9236, 0.4849,
0.3986

■ 24.9166, 0.5156,
0.4003

■ 31.3929, 0.4535,
0.3927

■ 22.3435, 0.5432,
0.3968

■ 35.3419, 0.4232,
0.3838

■ 20.2070, 0.5660,
0.3888

■ 39.7920, 0.3953,
0.3733

■ 44.7621, 0.3703,
0.3620

■ 50.2697, 0.3484,
0.3506

■ 56.3315, 0.3294,
0.3396

■ 62.9635, 0.3130,
0.3292

■ 70.1807, 0.2989,
0.3195

■ 77.9980, 0.2868,
0.3106

Harmonies

Analogous

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



27.9236, 0.4783, 0.3350



27.9236, 0.4849, 0.3986



27.9236, 0.4406, 0.4591

Triad

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



27.9236, 0.4849, 0.3986



27.9236, 0.2111, 0.3825



27.9236, 0.2417, 0.2018

Complementary

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



27.9236, 0.4849, 0.3986



26.4649, 0.2093, 0.2325

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.



27.9236, 0.1874, 0.1991



27.9236, 0.4849, 0.3986



27.9236, 0.1708, 0.2877

Square

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



27.9236, 0.4849, 0.3986



27.9236, 0.2821, 0.4698



27.9236, 0.1638, 0.2255



27.9236, 0.3243, 0.2291

Rectangle

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



27.9236, 0.4849, 0.3986



27.9236, 0.3930, 0.4878



27.9236, 0.1638, 0.2255



27.9236, 0.2201, 0.1980

Sweetspot

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



27.9251, 0.4849, 0.3986



78.7085, 0.3506, 0.3518



18.9738, 0.4047, 0.2325



16.3117, 0.3565, 0.3549



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.



27.9251, 0.4849, 0.3986



37.4499, 0.5294, 0.3993



53.1736, 0.4155, 0.4742



12.6078, 0.3280, 0.3388



12.7733, 0.5635, 0.3908



0.8694, 0.5308, 0.4167

Inverse Universe

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



26.4649, 0.2093, 0.2325



34.7973, 0.1948, 0.2085



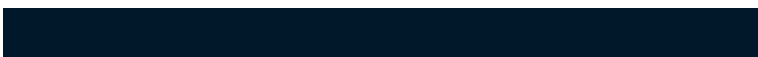
10.5042, 0.1816, 0.1204



12.5451, 0.2983, 0.3191



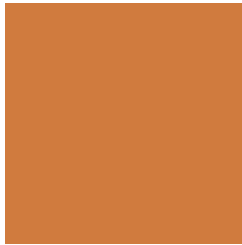
11.5774, 0.1853, 0.1871



0.8022, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 27.9236, 0.4849, 0.3986 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 27.9236, 0.4849, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

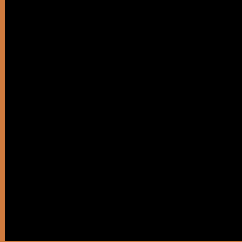
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9236, 0.4849, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 27.9236, 0.4849, 0.3986.



This preview shows how white text looks on a background with the Yxy color 27.9236, 0.4849, 0.3986.

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

27.9236, 0.4849, 0.3986

Protanopia

28.1541, 0.4043, 0.4429

Deuteranopia

27.9001, 0.4436, 0.4338



Tritanopia

27.9431, 0.4233, 0.3194

Trichromacy



Original Color

27.9236, 0.4849, 0.3986

Protanomaly

27.6318, 0.4337, 0.4271

Deuteranomaly

27.7654, 0.4591, 0.4211

Tritanomaly

27.9821, 0.4498, 0.3515

Monochromacy



Original Color

27.9236, 0.4849, 0.3986

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.2194, 0.3737, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9236, 0.4849, 0.3986 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(208, 123, 62)` looks like.

```
.text, #text, p{  
    color:rgb(208, 123, 62)  
}
```

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(208, 123, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 123, 62) }
```

Border

The CSS property to change the border of an element to Yxy 27.9236, 0.4849, 0.3986 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(208, 123, 62) }
```

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

```
.border{ border-color:rgb(208, 123, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 123, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 123, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 123, 62);  
box-shadow:4px 4px 4px 4px rgb(208, 123,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9236, 0.4849, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 123, 62) }
```

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

```
.background{ background-color: rgb(208,  
123, 62) }
```

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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