

Converting Colors

$Y_{xy}(27.3507, 0.5097, 0.4335)$

Have a look what the booklet for
Yxy(27.3507, 0.5097, 0.4335)
contains.

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Color

Yxy(27.2527, 0.5102, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	CC7C00
RGB	204, 124, 0
RGB Percent	80%, 49%, 0%
CMY	0.2001, 0.5136, 1.0000
CMYK	0.00, 0.39, 1.00, 0.20
HSL	36°, 100%, 40%
HSV	36°, 100%, 80%
XYZ	32.1042, 27.2527, 3.5678
YIQ	133.7840, 87.4840, -21.6040

Conversions

Conversions Part 2

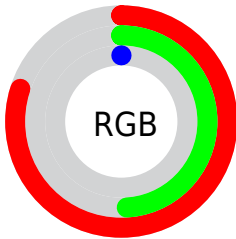
Format	Color
RYB	132, 204, 0
Decimal	13401088
CIELab	59.21, 24.04, 65.67
CIELCh	59, 69.931, 69.891
Yxy	27.2527, 0.5102, 0.4331
Android (android.graphics.Color)	4291591168 (0xFFCC7C00)
YUV	133.7840, -65.9555, 61.5794
Hunter-Lab	52.2041, 18.4157, 32.4908

Details

The Yxy color **27.2527, 0.5102, 0.4331** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **10.0887, 0.1674, 0.1228**, and the grayscale version is **23.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1340, 0.4680, 0.4285**, and **10.9614, 0.5319, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **27.2541, 0.5102, 0.4331**, and if you desaturate by 10%, it is **29.3924, 0.4947, 0.4369**.

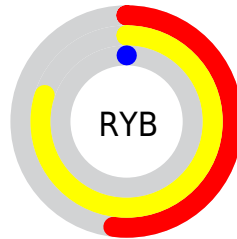
Distribution



Red (80%)

Green (49%)

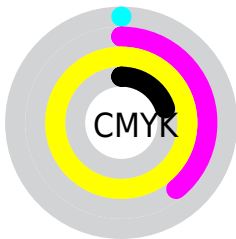
Blue (0%)



Red (52%)

Yellow (80%)

Blue (0%)

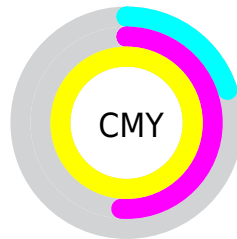


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2527, 0.5102, 0.4331 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 27.2527, 0.5102, 0.4331 by changing the saturation by 10% instead.

 27.2527, 0.5102,
0.4331

 27.2527, 0.5102,
0.4331


288.8786, 0.4124,
0.3928


 17.7631, 0.5300,
0.4359


 55.2891, 0.4772,
0.4233

 10.7800, 0.5561,
0.4384


 74.6047, 0.4639,
0.4180


 5.9191, 0.5740,
0.4260

 97.9644, 0.4523,
0.4129

 2.7960, 0.5964,
0.4036

 125.7526, 0.4421,
0.4082

 1.0262, 0.6339,
0.3661

 158.3538, 0.4333,
0.4038

 0.0000, 1.0000,
0.0000

 196.1522, 0.4255,

 0.0000, 0.0000,

0.3998

0.0000

239.5323, 0.4186,
0.3961

27.2527, 0.5102,
0.4331

27.2527, 0.5102,
0.4331

27.2541, 0.5102,
0.4331

29.3924, 0.4947,
0.4369

31.7518, 0.4762,
0.4361

34.3545, 0.4550,
0.4303

37.2141, 0.4323,
0.4202

40.3426, 0.4093,
0.4070

■ 43.7505, 0.3868,
0.3919

■ 47.4477, 0.3656,
0.3759

■ 51.4435, 0.3462,
0.3597

■ 55.7466, 0.3285,
0.3440

Harmonies

Analogous

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



27.2527, 0.5356, 0.3559



27.2527, 0.5102, 0.4331



27.2527, 0.4328, 0.5100

Triad

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



27.2527, 0.5102, 0.4331



27.2527, 0.1609, 0.3467



27.2527, 0.2559, 0.1825

Complementary

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



27.2527, 0.5102, 0.4331



10.0887, 0.1674, 0.1228

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.



27.2527, 0.1776, 0.1675



27.2527, 0.5102, 0.4331



27.2527, 0.1313, 0.2377

Square

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



27.2527, 0.5102, 0.4331



27.2527, 0.2328, 0.4830



27.2527, 0.1377, 0.1826



27.2527, 0.3701, 0.2239

Rectangle

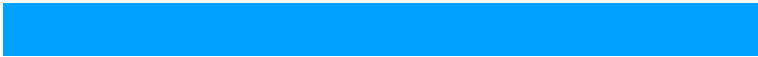
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.2527, 0.5102, 0.4331



27.2527, 0.3672, 0.5435



27.2527, 0.1377, 0.1826



27.2527, 0.2252, 0.1744

Sweetspot

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



27.2541, 0.5102, 0.4331



78.3524, 0.3664, 0.3765



13.4366, 0.5395, 0.2745



16.1997, 0.3753, 0.3834



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.



27.2541, 0.5102, 0.4331



44.7181, 0.5116, 0.4319



53.3112, 0.4018, 0.5192



12.3297, 0.3275, 0.3431



17.3447, 0.5086, 0.4344



1.0399, 0.4866, 0.4518

Inverse Universe

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



10.0887, 0.1674, 0.1228



16.3255, 0.1668, 0.1205



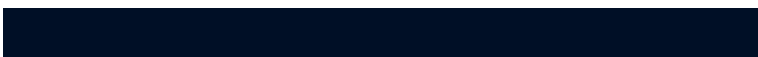
4.5113, 0.1531, 0.0617



11.5533, 0.2983, 0.3145



6.5212, 0.1682, 0.1253



0.4830, 0.1792, 0.1650

Previews

White Background



This preview shows how the Yxy color 27.2527, 0.5102, 0.4331 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 27.2527, 0.5102, 0.4331 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 27.2527, 0.5102, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 27.2527, 0.5102, 0.4331.



This preview shows how white text looks on a background with the Yxy color 27.2527, 0.5102, 0.4331.

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

27.2527, 0.5102, 0.4331

Protanopia

27.2565, 0.4372, 0.4843

Deuteranopia

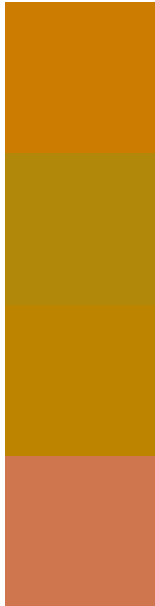
27.4321, 0.4713, 0.4640



Tritanopia

27.2720, 0.4205, 0.3180

Trichromacy



Original Color

27.2527, 0.5102, 0.4331

Protanomaly

26.9773, 0.4650, 0.4648

Deuteranomaly

27.3213, 0.4849, 0.4532

Tritanomaly

26.7868, 0.4722, 0.3762

Monochromacy



Original Color

27.2527, 0.5102, 0.4331

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9921, 0.3995, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2527, 0.5102, 0.4331 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(204, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 124, 0)  
}
```

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(204, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.2527, 0.5102, 0.4331 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(204, 124, 0) }
```

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

```
.border{ border-color:rgb(204, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 124,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2527, 0.5102, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 124, 0) }
```

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

```
.background{ background-color: rgb(204,  
124, 0) }
```

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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