

Converting Colors

$Yxy(27.0150, 0.4945, 0.4456)$

Have a look what the booklet for
Yxy(27.0150, 0.4945, 0.4456)
contains.

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Color

Yxy(27.1698, 0.4940, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	C28100
RGB	194, 129, 0
RGB Percent	76%, 51%, 0%
CMY	0.2392, 0.4941, 0.9994
CMYK	0.00, 0.34, 1.00, 0.24
HSL	40°, 100%, 38%
HSV	40°, 100%, 76%
XYZ	30.1007, 27.1698, 3.6620
YIQ	133.7290, 80.1490, -26.3390

Conversions

Conversions Part 2

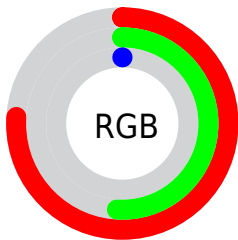
Format	Color
RYB	98, 194, 0
Decimal	12747008
CIELab	59.13, 16.97, 64.98
CIElCh	59, 67.158, 75.362
Yxy	27.1698, 0.4940, 0.4459
Android (android.graphics.Color)	4290937088 (0xFFC28100)
YUV	133.7290, -65.9284, 52.8577
Hunter-Lab	52.1247, 11.8610, 32.3218

Details

The Yxy color **27.1698, 0.4940, 0.4459** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.6959, 0.1634, 0.1080**, and the grayscale version is **23.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1456, 0.4636, 0.4330**, and **10.8882, 0.5109, 0.4325** is the 20% darker color. If you saturate the color by 10%, you get **27.1570, 0.4941, 0.4459**, and if you desaturate by 10%, it is **28.9888, 0.4808, 0.4481**.

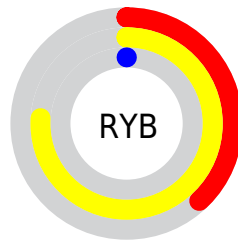
Distribution



Red (76%)

Green (51%)

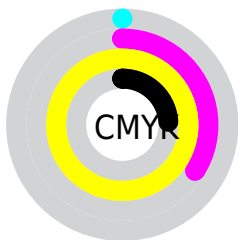
Blue (0%)



Red (38%)

Yellow (76%)

Blue (0%)

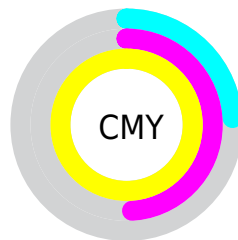


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1698, 0.4940, 0.4459 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 27.1698, 0.4940, 0.4459 by changing the saturation by 10% instead.


 27.1698, 0.4940,
0.4459


 27.1698, 0.4940,
0.4459


288.4783, 0.4047,
0.3967


 17.7008, 0.5117,
0.4515


 55.1562, 0.4641,
0.4323

 10.7354, 0.5350,
0.4576


 74.4424, 0.4519,
0.4258

 5.8892, 0.5499,
0.4501

 97.7698, 0.4412,
0.4197

 2.7778, 0.5666,
0.4334

 125.5228, 0.4320,
0.4141

 1.0169, 0.5953,
0.4047

 158.0857, 0.4238,
0.4091


 0.0000, 1.0000,
0.0000


 195.8430, 0.4167,


 0.0000, 0.0000,


0.4046


0.0000


 239.1791, 0.4103,
0.4005

 27.1698, 0.4940,
0.4459

 27.1698, 0.4940,
0.4459


 27.1570, 0.4941,
0.4459

 28.9888, 0.4808,
0.4481

 30.9661, 0.4650,
0.4459

 33.1222, 0.4464,
0.4388

 35.4677, 0.4260,
0.4276

 38.0119, 0.4050,
0.4132

■ 40.7630, 0.3841,
0.3969

■ 43.7289, 0.3641,
0.3797

■ 46.9165, 0.3454,
0.3622

■ 50.3325, 0.3282,
0.3452

Harmonies

Analogous

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



27.1698, 0.5288, 0.3699



27.1698, 0.4940, 0.4459



27.1698, 0.4139, 0.5159

Triad

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



27.1698, 0.4940, 0.4459



27.1698, 0.1576, 0.3238



27.1698, 0.2762, 0.1923

Complementary

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



27.1698, 0.4940, 0.4459



7.6959, 0.1634, 0.1080

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.



27.1698, 0.1927, 0.1727



27.1698, 0.4940, 0.4459



27.1698, 0.1351, 0.2280

Square

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



27.1698, 0.4940, 0.4459



27.1698, 0.2207, 0.4546



27.1698, 0.1472, 0.1820



27.1698, 0.3898, 0.2369

Rectangle

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



27.1698, 0.4940, 0.4459



27.1698, 0.3488, 0.5385



27.1698, 0.1472, 0.1820



27.1698, 0.2441, 0.1828

Sweetspot

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



27.1712, 0.4940, 0.4459



78.9093, 0.3652, 0.3807



11.8912, 0.5583, 0.2850



16.7657, 0.3737, 0.3881



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.



27.1712, 0.4940, 0.4459



48.7077, 0.4955, 0.4447



46.5793, 0.3930, 0.5261



11.1708, 0.3273, 0.3443



18.0095, 0.4928, 0.4469



0.9009, 0.4726, 0.4630

Inverse Universe

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



7.6959, 0.1634, 0.1080



13.5003, 0.1626, 0.1052



4.1634, 0.1560, 0.0633



10.2877, 0.2984, 0.3133



5.1875, 0.1640, 0.1102



0.3527, 0.1769, 0.1569

Previews

White Background



This preview shows how the Yxy color 27.1698, 0.4940, 0.4459 looks on a white background.

Color Contrast Check

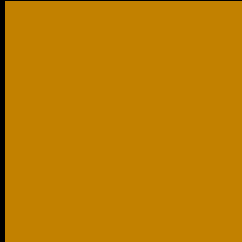
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1698, 0.4940, 0.4459 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 27.1698, 0.4940, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 27.1698, 0.4940, 0.4459.



This preview shows how white text looks on a background with the Yxy color 27.1698, 0.4940, 0.4459.

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

27.1698, 0.4940, 0.4459

Protanopia

27.2510, 0.4377, 0.4850

Deuteranopia

27.1517, 0.4726, 0.4629



Tritanopia

27.1600, 0.3999, 0.3173

Trichromacy



Original Color

27.1698, 0.4940, 0.4459

Protanomaly

27.0787, 0.4584, 0.4708

Deuteranomaly

27.2142, 0.4805, 0.4567

Tritanomaly

26.6454, 0.4536, 0.3821

Monochromacy



Original Color

27.1698, 0.4940, 0.4459

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.2263, 0.3943, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1698, 0.4940, 0.4459 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 129, 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(194, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.1698, 0.4940, 0.4459 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, 129, 0) }
```

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

```
.border{ border-color:rgb(194, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1698, 0.4940, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 129, 0) }
```

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

```
.background{ background-color: rgb(194,  
129, 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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