

Converting Colors

$Y_{xy}(27.8724, 0.4934, 0.4458)$

Have a look what the booklet for
Yxy(27.8724, 0.4934, 0.4458)
contains.

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Color

Yxy(27.9727, 0.4928, 0.4462)

Conversions

Conversions Part 1

Format	Color
Hex	C48302
RGB	196, 131, 2
RGB Percent	77%, 51%, 1%
CMY	0.2313, 0.4863, 0.9927
CMYK	0.00, 0.33, 0.99, 0.23
HSL	40°, 98%, 39%
HSV	40°, 99%, 77%
XYZ	30.8941, 27.9727, 3.8241
YIQ	135.7290, 80.1490, -26.3390

Conversions

Conversions Part 2

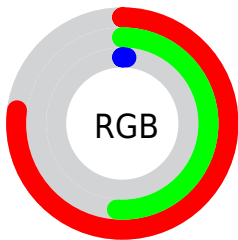
Format	Color
R_{YB}	100, 196, 2
Decimal	12878594
CIE Lab	59.86, 16.78, 65.30
CIE LCh	60, 67.425, 75.588
Yxy	27.9727, 0.4928, 0.4462
Android (android.graphics.Color)	4291068674 (0xFFC48302)
YUV	135.7290, -65.9284, 52.8577
Hunter-Lab	52.8892, 11.7108, 32.7355

Details

The Yxy color **27.9727, 0.4928, 0.4462** 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 **7.9974, 0.1639, 0.1094**, and the grayscale version is **24.7379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9959, 0.4609, 0.4336**, and **11.2688, 0.5081, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **27.8031, 0.4940, 0.4459**, and if you desaturate by 10%, it is **29.8453, 0.4796, 0.4482**.

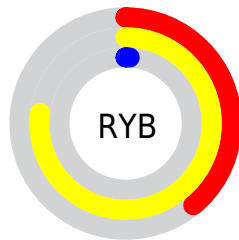
Distribution



Red (77%)

Green (51%)

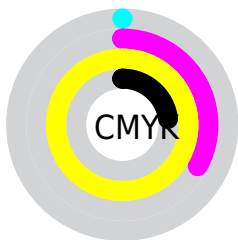
Blue (1%)



Red (39%)

Yellow (77%)

Blue (1%)

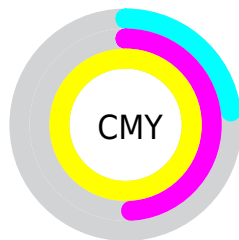


Cyan (0%)

Magenta (33%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (49%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9727, 0.4928, 0.4462 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 27.9727, 0.4928, 0.4462 by changing the saturation by 10% instead.


 27.9727, 0.4928,
0.4462


 27.9727, 0.4928,
0.4462


292.3364, 0.4045,
0.3969


 18.3051, 0.5103,
0.4519


 56.4409, 0.4632,
0.4325

 11.1692, 0.5325,
0.4577


 76.0102, 0.4512,
0.4260


 6.1808, 0.5483,
0.4517

 99.6489, 0.4407,
0.4199

 2.9553, 0.5642,
0.4358

 127.7413, 0.4315,
0.4144

 1.1085, 0.5914,
0.4086

 160.6719, 0.4235,
0.4093


 0.0000, 1.0000,
0.0000

 198.8250, 0.4164,

 0.0000, 0.0000,


0.4048

0.0000


 242.5851, 0.4101,
0.4007

 27.9727, 0.4928,
0.4462


 27.9727, 0.4928,
0.4462


 27.8031, 0.4940,
0.4459

 29.8453, 0.4796,
0.4482

 31.8831, 0.4634,
0.4456

 34.1046, 0.4447,
0.4381

 36.5207, 0.4243,
0.4265

 39.1408, 0.4032,
0.4120

■ 41.9733, 0.3824,
0.3956

■ 45.0262, 0.3624,
0.3782

■ 48.3064, 0.3438,
0.3608

■ 51.8210, 0.3268,
0.3438

Harmonies

Analogous

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



27.9727, 0.5277, 0.3705



27.9727, 0.4928, 0.4462



27.9727, 0.4129, 0.5155

Triad

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



27.9727, 0.4928, 0.4462



27.9727, 0.1580, 0.3230



27.9727, 0.2772, 0.1931

Complementary

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



27.9727, 0.4928, 0.4462



7.9974, 0.1639, 0.1094

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.



27.9727, 0.1938, 0.1734



27.9727, 0.4928, 0.4462



27.9727, 0.1358, 0.2281

Square

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



27.9727, 0.4928, 0.4462



27.9727, 0.2206, 0.4528



27.9727, 0.1481, 0.1825



27.9727, 0.3903, 0.2378

Rectangle

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



27.9727, 0.4928, 0.4462



27.9727, 0.3480, 0.5373



27.9727, 0.1481, 0.1825



27.9727, 0.2451, 0.1836

Sweetspot

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



27.9741, 0.4928, 0.4462



80.7456, 0.3652, 0.3807



12.2177, 0.5559, 0.2843



16.7707, 0.3737, 0.3882



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.



27.9741, 0.4928, 0.4462



49.8642, 0.4955, 0.4448



47.6931, 0.3931, 0.5256



11.1717, 0.3273, 0.3443



18.0260, 0.4927, 0.4470



0.9015, 0.4725, 0.4631

Inverse Universe

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



7.9974, 0.1639, 0.1094



13.7783, 0.1625, 0.1050



4.3176, 0.1566, 0.0641



10.2868, 0.2984, 0.3133



5.1801, 0.1639, 0.1101



0.3523, 0.1769, 0.1568

Previews

White Background



This preview shows how the Yxy color 27.9727, 0.4928, 0.4462 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 27.9727, 0.4928, 0.4462 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 27.9727, 0.4928, 0.4462

Background



This preview shows how black text looks on a background with the Yxy color 27.9727, 0.4928, 0.4462.



This preview shows how white text looks on a background with the Yxy color 27.9727, 0.4928, 0.4462.

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

27.9727, 0.4928, 0.4462

Protanopia

28.0664, 0.4375, 0.4853

Deuteranopia

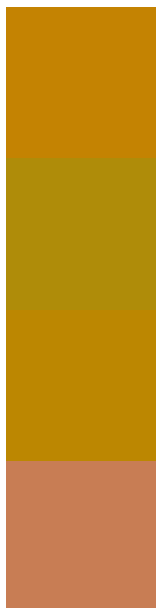
27.9586, 0.4720, 0.4634



Tritanopia

28.1143, 0.3999, 0.3175

Trichromacy



Original Color

27.9727, 0.4928, 0.4462

Protanomaly

27.8899, 0.4578, 0.4710

Deuteranomaly

28.0215, 0.4796, 0.4570

Tritanomaly

27.5867, 0.4529, 0.3814

Monochromacy



Original Color

27.9727, 0.4928, 0.4462

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.0074, 0.3932, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9727, 0.4928, 0.4462 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(196, 131, 2)` looks like.

```
.text, #text, p{  
    color:rgb(196, 131, 2)  
}
```

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(196, 131, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 131, 2) }
```

Border

The CSS property to change the border of an element to Yxy 27.9727, 0.4928, 0.4462 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(196, 131, 2) }
```

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

```
.border{ border-color:rgb(196, 131, 2) }
```

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

Here you see how a box with a 4 pixel rgb(196, 131, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 131, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 131, 2);  
box-shadow:4px 4px 4px 4px rgb(196, 131,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9727, 0.4928, 0.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 131, 2) }
```

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

```
.background{ background-color: rgb(196,  
131, 2) }
```

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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