

Converting Colors

$Y_{xy}(30.1158, 0.4768, 0.4522)$

Have a look what the booklet for
Yxy(30.1158, 0.4768, 0.4522)
contains.

Yxy(29.9782, 0.4767, 0.4524)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9782, 0.4767, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	C28B12
RGB	194, 139, 18
RGB Percent	76%, 55%, 7%
CMY	0.2393, 0.4549, 0.9290
CMYK	0.00, 0.28, 0.91, 0.24
HSL	41°, 83%, 42%
HSV	41°, 91%, 76%
XYZ	31.5884, 29.9782, 4.6982
YIQ	141.6510, 71.6210, -25.9710

Conversions

Conversions Part 2

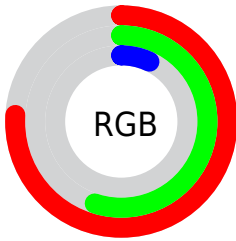
Format	Color
R _{YB}	98, 194, 18
Decimal	12749586
CIE Lab	61.64, 11.70, 63.71
CIE LCh	62, 64.771, 79.591
Yxy	29.9782, 0.4767, 0.4524
Android (android.graphics.Color)	4290939666 (0xFFC28B12)
YUV	141.6510, -60.9599, 45.9101
Hunter-Lab	54.7524, 7.1659, 33.2391

Details

The Yxy color **29.9782, 0.4767, 0.4524** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **8.8010, 0.1689, 0.1201**, and the grayscale version is **27.1347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5238, 0.4500, 0.4355**, and **12.2957, 0.4929, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **28.3383, 0.4880, 0.4507**, and if you desaturate by 10%, it is **31.8777, 0.4621, 0.4501**.

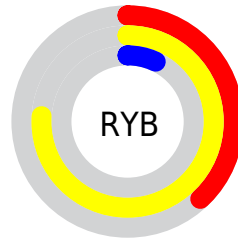
Distribution



Red (76%)

Green (55%)

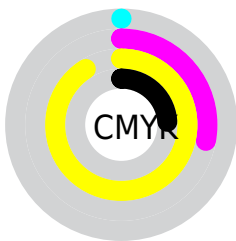
Blue (7%)



Red (38%)

Yellow (76%)

Blue (7%)

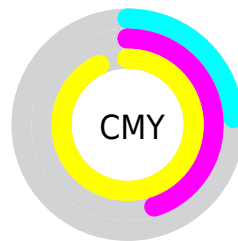


Cyan (0%)

Magenta (28%)

Yellow (91%)

Black (24%)



Cyan (24%)

Magenta (45%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9782, 0.4767, 0.4524 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 29.9782, 0.4767, 0.4524 by changing the saturation by 10% instead.


 29.9782, 0.4767,
0.4524


 29.9782, 0.4767,
0.4524


301.8028, 0.3969,
0.3979


 19.8220, 0.4926,
0.4606


 59.6277, 0.4500,
0.4360


 12.2658, 0.5106,
0.4679


 79.8898, 0.4391,
0.4287

 6.9249, 0.5288,
0.4712


 104.2894, 0.4296,
0.4221

 3.4152, 0.5395,
0.4605

 133.2108, 0.4213,
0.4162

 1.3521, 0.5573,
0.4427

 167.0385, 0.4140,
0.4108

 0.1810, 0.7166,
0.2834

 206.1568, 0.4076,

 0.0000, 0.0000,

0.4061

0.0000

250.9501, 0.4019,
0.4018

29.9782, 0.4767,
0.4524

29.9782, 0.4767,
0.4524

28.3383, 0.4880,
0.4507

31.8777, 0.4621,
0.4501

33.9397, 0.4446,
0.4429

36.1759, 0.4253,
0.4316

38.5955, 0.4050,
0.4170

41.2066, 0.3847,
0.4004

■ 44.0163, 0.3650,
0.3827

■ 47.0316, 0.3465,
0.3647

■ 50.2587, 0.3293,
0.3470

■ 53.7038, 0.3137,
0.3301

Harmonies

Analogous

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



29.9782, 0.5154, 0.3803



29.9782, 0.4767, 0.4524



29.9782, 0.3980, 0.5121

Triad

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



29.9782, 0.4767, 0.4524



29.9782, 0.1609, 0.3097



29.9782, 0.2928, 0.2039

Complementary

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



29.9782, 0.4767, 0.4524



8.8010, 0.1689, 0.1201

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.



29.9782, 0.2084, 0.1816



29.9782, 0.4767, 0.4524



29.9782, 0.1436, 0.2259

Square

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



29.9782, 0.4767, 0.4524



29.9782, 0.2163, 0.4288



29.9782, 0.1595, 0.1867



29.9782, 0.4005, 0.2498

Rectangle

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



29.9782, 0.4767, 0.4524



29.9782, 0.3355, 0.5239



29.9782, 0.1595, 0.1867



29.9782, 0.2609, 0.1936

Sweetspot

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



29.9797, 0.4767, 0.4524



81.4843, 0.3589, 0.3768



12.3957, 0.5425, 0.2838



17.4374, 0.3655, 0.3831



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.



29.9797, 0.4767, 0.4524



50.8723, 0.4893, 0.4497



46.2768, 0.3882, 0.5245



11.2099, 0.3272, 0.3448



18.7859, 0.4868, 0.4516



0.9302, 0.4683, 0.4663

Inverse Universe

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



8.8010, 0.1689, 0.1201



12.6365, 0.1610, 0.0996



5.0179, 0.1667, 0.0741



10.2503, 0.2984, 0.3127



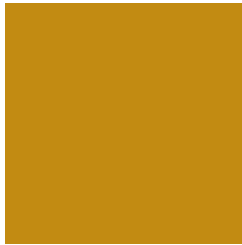
4.8608, 0.1624, 0.1045



0.3356, 0.1754, 0.1513

Previews

White Background



This preview shows how the Yxy color 29.9782, 0.4767, 0.4524 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 29.9782, 0.4767, 0.4524 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 ✓ Pass

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

Yxy 29.9782, 0.4767, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 29.9782, 0.4767, 0.4524.



This preview shows how white text looks on a background with the Yxy color 29.9782, 0.4767, 0.4524.

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

29.9782, 0.4767, 0.4524

Protanopia

30.1955, 0.4349, 0.4827

Deuteranopia

29.9031, 0.4699, 0.4593



Tritanopia

29.8440, 0.3847, 0.3160

Trichromacy



Original Color

29.9782, 0.4767, 0.4524

Protanomaly

29.9590, 0.4496, 0.4719

Deuteranomaly

29.8699, 0.4730, 0.4564

Tritanomaly

29.6070, 0.4320, 0.3790

Monochromacy



Original Color

29.9782, 0.4767, 0.4524

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.4899, 0.3818, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9782, 0.4767, 0.4524 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, 139, 18)` looks like.

```
.text, #text, p{  
    color:rgb(194, 139, 18)  
}
```

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, 139, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 139, 18) }
```

Border

The CSS property to change the border of an element to Yxy 29.9782, 0.4767, 0.4524 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, 139, 18) }
```

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

```
.border{ border-color:rgb(194, 139, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 139, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 139, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 139, 18);  
box-shadow:4px 4px 4px 4px rgb(194, 139,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9782, 0.4767, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 139, 18) }
```

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

```
.background{ background-color: rgb(194,  
139, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor