

Converting Colors

$Y_{xy}(31.3279, 0.4522, 0.4382)$

Have a look what the booklet for
Yxy(31.3279, 0.4522, 0.4382)
contains.

Yxy(31.4193, 0.4519, 0.4385)	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(31.4193, 0.4519, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	C09036
RGB	192, 144, 54
RGB Percent	75%, 56%, 21%
CMY	0.2470, 0.4353, 0.7881
CMYK	0.00, 0.25, 0.72, 0.25
HSL	39°, 56%, 48%
HSV	39°, 72%, 75%
XYZ	32.3794, 31.4193, 7.8530
YIQ	148.0920, 57.4980, -17.8140

Conversions

Conversions Part 2

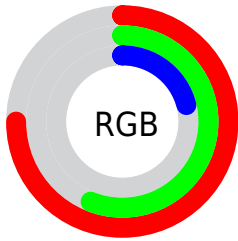
Format	Color
R _Y B	128, 192, 54
Decimal	12619830
CIE Lab	62.86, 9.29, 52.71
CIE LCh	63, 53.527, 80.004
Yxy	31.4193, 0.4519, 0.4385
Android (android.graphics.Color)	4290809910 (0xFFC09036)
YUV	148.0920, -46.3874, 38.5073
Hunter-Lab	56.0529, 5.0194, 30.9305

Details

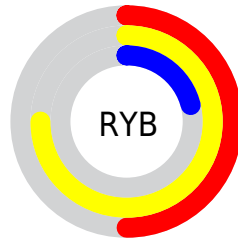
The Yxy color **31.4193, 0.4519, 0.4385** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **14.1040, 0.1934, 0.1727**, and the grayscale version is **29.8368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1242, 0.4271, 0.4215**, and **13.0737, 0.4820, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **29.3101, 0.4706, 0.4445**, and if you desaturate by 10%, it is **33.7226, 0.4313, 0.4282**.

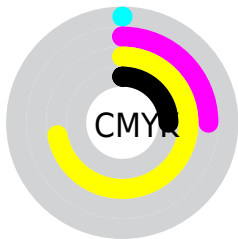
Distribution



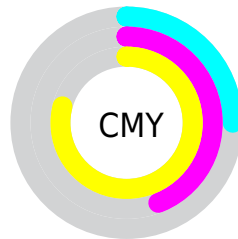
- Red (75%)
- Green (56%)
- Blue (21%)



- Red (50%)
- Yellow (75%)
- Blue (21%)



- Cyan (0%)
- Magenta (25%)
- Yellow (72%)
- Black (25%)





- Cyan (25%)
- Magenta (44%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4193, 0.4519, 0.4385 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 31.4193, 0.4519, 0.4385 by changing the saturation by 10% instead.


 31.4193, 0.4519,
0.4385

 31.4193, 0.4519,
0.4385


 308.4654, 0.3819,
0.3868

 20.9183, 0.4676,
0.4485


 61.8996, 0.4273,
0.4214

 13.0643, 0.4858,
0.4588


 82.6478, 0.4178,
0.4144

 7.4729, 0.5106,
0.4720


 107.5804, 0.4096,
0.4083

 3.7595, 0.5278,
0.4722

 137.0820, 0.4025,
0.4029

 1.5400, 0.5412,
0.4588

 171.5369, 0.3963,
0.3981

 0.3166, 0.6250,
0.3750

 211.3295, 0.3909,

 0.0000, 0.0000,

0.3939

0.0000

256.8442, 0.3861,
0.3902

■ 31.4193, 0.4519,
0.4385

■ 31.4193, 0.4519,
0.4385

■ 29.3101, 0.4706,
0.4445

■ 33.7226, 0.4313,
0.4282

■ 27.3794, 0.4864,
0.4455

■ 36.2248, 0.4099,
0.4146

■ 25.9242, 0.4975,
0.4432

■ 38.9360, 0.3886,
0.3989

■ 41.8640, 0.3681,
0.3821

■ 45.0159, 0.3490,
0.3649

■ 48.3985, 0.3314,
0.3481

■ 52.0182, 0.3155,
0.3319

■ 55.8811, 0.3012,
0.3167

■ 59.9929, 0.2884,
0.3025

Harmonies

Analogous

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



31.4193, 0.4807, 0.3788



31.4193, 0.4519, 0.4385



31.4193, 0.3875, 0.4814

Triad

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



31.4193, 0.4519, 0.4385



31.4193, 0.1850, 0.3146



31.4193, 0.2986, 0.2232

Complementary

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



31.4193, 0.4519, 0.4385



14.1040, 0.1934, 0.1727

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.



31.4193, 0.2265, 0.2036



31.4193, 0.4519, 0.4385



31.4193, 0.1687, 0.2444

Square

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



31.4193, 0.4519, 0.4385



31.4193, 0.2336, 0.4075



31.4193, 0.1828, 0.2090



31.4193, 0.3862, 0.2637

Rectangle

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



31.4193, 0.4519, 0.4385



31.4193, 0.3348, 0.4852



31.4193, 0.1828, 0.2090



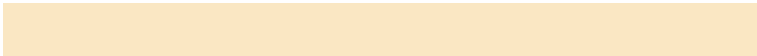
31.4193, 0.2718, 0.2141

Sweetspot

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



31.4209, 0.4519, 0.4385



81.2652, 0.3499, 0.3658



14.8156, 0.4677, 0.2720



17.0919, 0.3550, 0.3704



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.4209, 0.4519, 0.4385



51.1328, 0.4798, 0.4457



46.6619, 0.3886, 0.4984



11.1492, 0.3273, 0.3440



17.5931, 0.4962, 0.4442



0.8850, 0.4749, 0.4611

Inverse Universe

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



14.1040, 0.1934, 0.1727



18.3547, 0.1746, 0.1365



7.9338, 0.1896, 0.1097



10.3084, 0.2984, 0.3136



5.3795, 0.1649, 0.1136



0.3625, 0.1778, 0.1601

Previews

White Background



This preview shows how the Yxy color 31.4193, 0.4519, 0.4385 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.4193, 0.4519, 0.4385 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 31.4193, 0.4519, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 31.4193, 0.4519, 0.4385.



This preview shows how white text looks on a background with the Yxy color 31.4193, 0.4519, 0.4385.

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

31.4193, 0.4519, 0.4385

Protanopia

31.6140, 0.4179, 0.4607

Deuteranopia

31.4643, 0.4488, 0.4409



Tritanopia

31.3780, 0.3731, 0.3159

Trichromacy



Original Color

31.4193, 0.4519, 0.4385

Protanomaly

31.5535, 0.4302, 0.4531

Deuteranomaly

31.5935, 0.4498, 0.4403

Tritanomaly

31.0826, 0.4074, 0.3642

Monochromacy



Original Color

31.4193, 0.4519, 0.4385

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.9749, 0.3646, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4193, 0.4519, 0.4385 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(192, 144, 54)` looks like.

```
.text, #text, p{  
    color:rgb(192, 144, 54)  
}
```

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(192, 144, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 144, 54) }
```

Border

The CSS property to change the border of an element to Yxy 31.4193, 0.4519, 0.4385 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(192, 144, 54) }
```

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

```
.border{ border-color:rgb(192, 144, 54) }
```

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

Here you see how a box with a 4 pixel rgb(192, 144, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 144, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 144, 54);  
box-shadow:4px 4px 4px 4px rgb(192, 144,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4193, 0.4519, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 144, 54) }
```

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

```
.background{ background-color: rgb(192,  
144, 54) }
```

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