

Converting Colors

$Y_{xy}(33.4910, 0.4510, 0.4494)$

Have a look what the booklet for
Yxy(33.4910, 0.4510, 0.4494)
contains.

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Color

Yxy(33.4873, 0.4517, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	C2962F
RGB	194, 150, 47
RGB Percent	76%, 59%, 18%
CMY	0.2392, 0.4117, 0.8157
CMYK	0.00, 0.23, 0.76, 0.24
HSL	42°, 61%, 47%
HSV	42°, 76%, 76%
XYZ	33.6662, 33.4873, 7.3787
YIQ	151.4140, 59.2870, -22.7050

Conversions

Conversions Part 2

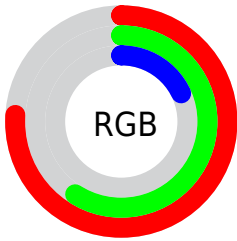
Format	Color
R _Y B	110, 194, 47
Decimal	12752431
CIE Lab	64.55, 6.56, 57.35
CIE LCh	65, 57.719, 83.477
Yxy	33.4873, 0.4517, 0.4493
Android (android.graphics.Color)	4290942511 (0xFFC2962F)
YUV	151.4140, -51.4761, 37.3479
Hunter-Lab	57.8682, 2.5772, 32.9478

Details

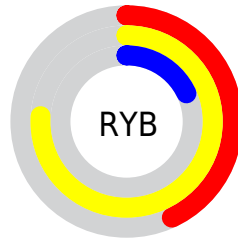
The Yxy color **33.4873, 0.4517, 0.4493** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **11.9792, 0.1850, 0.1512**, and the grayscale version is **31.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1767, 0.4284, 0.4312**, and **14.3486, 0.4737, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **31.5585, 0.4672, 0.4543**, and if you desaturate by 10%, it is **35.5807, 0.4338, 0.4397**.

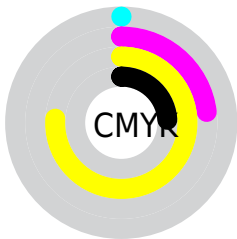
Distribution



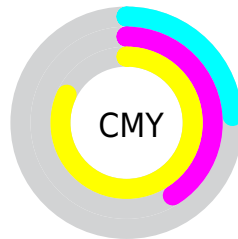
- Red (76%)
- Green (59%)
- Blue (18%)



- Red (43%)
- Yellow (76%)
- Blue (18%)



- Cyan (0%)
- Magenta (23%)
- Yellow (76%)
- Black (24%)




- Cyan (24%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4873, 0.4517, 0.4493 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 33.4873, 0.4517, 0.4493 by changing the saturation by 10% instead.


 33.4873, 0.4517,
0.4493


 33.4873, 0.4517,
0.4493


317.8398, 0.3837,
0.3931

 22.5000, 0.4661,
0.4600


 65.1356, 0.4284,
0.4309

 14.2248, 0.4822,
0.4709


 86.5654, 0.4192,
0.4233


 8.2772, 0.5049,
0.4860


 112.2448, 0.4112,
0.4166

 4.2728, 0.5149,
0.4851

 142.5582, 0.4042,
0.4107

 1.8273, 0.5237,
0.4763

 177.8900, 0.3981,
0.4055

 0.5041, 0.5591,
0.4409

 218.6246, 0.3927,

 0.0000, 0.0000,

0.4009

0.0000

265.1464, 0.3879,
0.3968

■ 33.4873, 0.4517,
0.4493

■ 33.4873, 0.4517,
0.4493

■ 31.5585, 0.4672,
0.4543

■ 35.5807, 0.4338,
0.4397

■ 29.7779, 0.4797,
0.4543

■ 37.8433, 0.4144,
0.4264

■ 29.0606, 0.4845,
0.4535

■ 40.2850, 0.3944,
0.4105

■ 42.9134, 0.3746,
0.3929

■ 45.7352, 0.3556,
0.3747

■ 48.7570, 0.3378,
0.3565

■ 51.9846, 0.3215,
0.3388

■ 55.4239, 0.3066,
0.3220

■ 59.0801, 0.2932,
0.3063

Harmonies

Analogous

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



33.4873, 0.4883, 0.3871



33.4873, 0.4517, 0.4493



33.4873, 0.3809, 0.4922

Triad

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



33.4873, 0.4517, 0.4493



33.4873, 0.1752, 0.3028



33.4873, 0.3078, 0.2223

Complementary

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



33.4873, 0.4517, 0.4493



11.9792, 0.1850, 0.1512

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.



33.4873, 0.2295, 0.1992



33.4873, 0.4517, 0.4493



33.4873, 0.1625, 0.2336

Square

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



33.4873, 0.4517, 0.4493



33.4873, 0.2217, 0.4008



33.4873, 0.1807, 0.2013



33.4873, 0.4005, 0.2664

Rectangle

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



33.4873, 0.4517, 0.4493



33.4873, 0.3250, 0.4923



33.4873, 0.1807, 0.2013



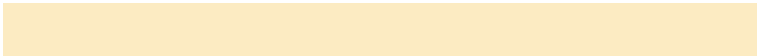
33.4873, 0.2789, 0.2120

Sweetspot

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



33.4889, 0.4517, 0.4493



84.1519, 0.3512, 0.3703



14.2587, 0.4956, 0.2809



17.9998, 0.3580, 0.3770



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.



33.4889, 0.4517, 0.4493



55.0000, 0.4759, 0.4548



46.7412, 0.3837, 0.5090



11.2329, 0.3272, 0.3451



19.2572, 0.4834, 0.4544



0.9478, 0.4659, 0.4683

Inverse Universe

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



11.9792, 0.1850, 0.1512



14.7973, 0.1665, 0.1132



7.4810, 0.1886, 0.1025



10.2284, 0.2984, 0.3124



4.6806, 0.1615, 0.1013



0.3260, 0.1745, 0.1480

Previews

White Background



This preview shows how the Yxy color 33.4873, 0.4517, 0.4493 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 33.4873, 0.4517, 0.4493 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 33.4873, 0.4517, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 33.4873, 0.4517, 0.4493.



This preview shows how white text looks on a background with the Yxy color 33.4873, 0.4517, 0.4493.

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

33.4873, 0.4517, 0.4493

Protanopia

33.5658, 0.4247, 0.4671

Deuteranopia

33.5704, 0.4558, 0.4463



Tritanopia

33.4080, 0.3680, 0.3148

Trichromacy



Original Color

33.4873, 0.4517, 0.4493

Protanomaly

33.3919, 0.4356, 0.4600

Deuteranomaly

33.4359, 0.4548, 0.4469

Tritanomaly

33.1445, 0.4050, 0.3703

Monochromacy



Original Color

33.4873, 0.4517, 0.4493

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5410, 0.3672, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4873, 0.4517, 0.4493 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, 150, 47)` looks like.

```
.text, #text, p{  
    color:rgb(194, 150, 47)  
}
```

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, 150, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 150, 47) }
```

Border

The CSS property to change the border of an element to Yxy 33.4873, 0.4517, 0.4493 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, 150, 47) }
```

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

```
.border{ border-color:rgb(194, 150, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 150, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 150, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 150, 47);  
box-shadow:4px 4px 4px 4px rgb(194, 150,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4873, 0.4517, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 150, 47) }
```

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

```
.background{ background-color: rgb(194,  
150, 47) }
```

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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