

Converting Colors

$Y_{xy}(32.4640, 0.4655, 0.4465)$

Have a look what the booklet for
Yxy(32.4640, 0.4655, 0.4465)
contains.

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Color

Yxy(32.4030, 0.4654, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	C69127
RGB	198, 145, 39
RGB Percent	78%, 57%, 15%
CMY	0.2236, 0.4313, 0.8471
CMYK	0.00, 0.27, 0.80, 0.22
HSL	40°, 67%, 46%
HSV	40°, 80%, 78%
XYZ	33.7746, 32.4030, 6.3935
YIQ	148.7630, 65.6140, -21.7300

Conversions

Conversions Part 2

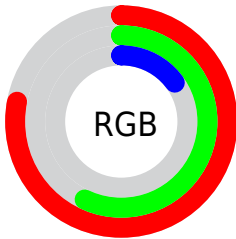
Format	Color
RYB	119, 198, 39
Decimal	13013287
CIELab	63.67, 10.73, 59.63
CIElCh	64, 60.591, 79.804
Yxy	32.4030, 0.4654, 0.4465
Android (android.graphics.Color)	4291203367 (0xFFC69127)
YUV	148.7630, -54.1132, 43.1808
Hunter-Lab	56.9236, 6.2933, 33.1872

Details

The Yxy color **32.4030, 0.4654, 0.4465** 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 **12.1535, 0.1811, 0.1483**, and the grayscale version is **30.1616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8972, 0.4368, 0.4318**, and **13.6734, 0.4869, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **30.3483, 0.4810, 0.4485**, and if you desaturate by 10%, it is **34.6463, 0.4470, 0.4396**.

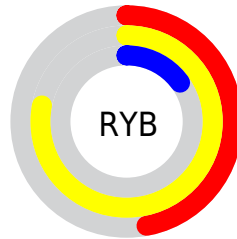
Distribution



Red (78%)

Green (57%)

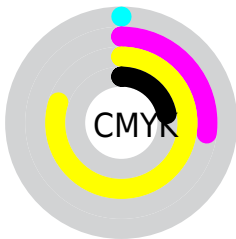
Blue (15%)



Red (47%)

Yellow (78%)

Blue (15%)

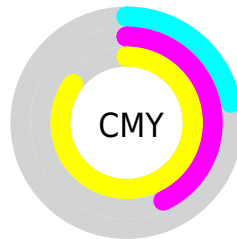


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (22%)



Cyan (22%)


Magenta (43%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4030, 0.4654, 0.4465 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 32.4030, 0.4654, 0.4465 by changing the saturation by 10% instead.


 32.4030, 0.4654,
0.4465


 32.4030, 0.4654,
0.4465


312.9510, 0.3905,
0.3933

 21.6695, 0.4811,
0.4556


 63.4423, 0.4399,
0.4298

 13.6143, 0.4985,
0.4640


 84.5170, 0.4297,
0.4226

 7.8529, 0.5239,
0.4761


 109.8074, 0.4208,
0.4163

 4.0009, 0.5329,
0.4671

 139.6981, 0.4131,
0.4106

 1.6741, 0.5475,
0.4525

 174.5734, 0.4064,
0.4055

 0.4068, 0.6145,
0.3855

 214.8177, 0.4005,

 0.0000, 0.0000,

0.4010

0.0000

260.8154, 0.3952,
0.3970

■ 32.4030, 0.4654,
0.4465

■ 32.4030, 0.4654,
0.4465

■ 30.3483, 0.4810,
0.4485

■ 34.6463, 0.4470,
0.4396

■ 28.5116, 0.4936,
0.4463

■ 37.0848, 0.4268,
0.4284

■ 39.7297, 0.4058,
0.4142

■ 42.5898, 0.3849,
0.3979

■ 45.6731, 0.3649,
0.3806

■ 48.9872, 0.3461,
0.3631

■ 52.5388, 0.3288,
0.3459

■ 56.3348, 0.3132,
0.3295

■ 60.3812, 0.2991,
0.3140

Harmonies

Analogous

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



32.4030, 0.4993, 0.3801



32.4030, 0.4654, 0.4465



32.4030, 0.3934, 0.4980

Triad

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



32.4030, 0.4654, 0.4465



32.4030, 0.1720, 0.3120



32.4030, 0.2957, 0.2129

Complementary

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



32.4030, 0.4654, 0.4465



12.1535, 0.1811, 0.1483

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.



32.4030, 0.2169, 0.1917



32.4030, 0.4654, 0.4465



32.4030, 0.1551, 0.2346

Square

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



32.4030, 0.4654, 0.4465



32.4030, 0.2245, 0.4185



32.4030, 0.1703, 0.1970



32.4030, 0.3939, 0.2564

Rectangle

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



32.4030, 0.4654, 0.4465



32.4030, 0.3354, 0.5055



32.4030, 0.1703, 0.1970



32.4030, 0.2661, 0.2031

Sweetspot

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



32.4046, 0.4654, 0.4465



84.3422, 0.3535, 0.3702



14.2254, 0.5020, 0.2753



17.6011, 0.3604, 0.3765



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.



32.4046, 0.4654, 0.4465



51.3454, 0.4902, 0.4468



49.2326, 0.3896, 0.5121



11.7987, 0.3273, 0.3444



18.7105, 0.4924, 0.4473



1.0151, 0.4735, 0.4622

Inverse Universe

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



12.1535, 0.1811, 0.1483



14.8955, 0.1650, 0.1118



6.6678, 0.1779, 0.0904



10.8551, 0.2983, 0.3132



5.3236, 0.1637, 0.1094



0.3859, 0.1758, 0.1528

Previews

White Background



This preview shows how the Yxy color 32.4030, 0.4654, 0.4465 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 32.4030, 0.4654, 0.4465 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 32.4030, 0.4654, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 32.4030, 0.4654, 0.4465.



This preview shows how white text looks on a background with the Yxy color 32.4030, 0.4654, 0.4465.

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

32.4030, 0.4654, 0.4465

Protanopia

32.6085, 0.4281, 0.4717

Deuteranopia

32.4767, 0.4596, 0.4519



Tritanopia

32.2406, 0.3786, 0.3149

Trichromacy



Original Color

32.4030, 0.4654, 0.4465

Protanomaly

32.3606, 0.4424, 0.4619

Deuteranomaly

32.2998, 0.4618, 0.4501

Tritanomaly

32.0833, 0.4189, 0.3708

Monochromacy



Original Color

32.4030, 0.4654, 0.4465

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4994, 0.3726, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4030, 0.4654, 0.4465 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(198, 145, 39)` looks like.

```
.text, #text, p{  
    color:rgb(198, 145, 39)  
}
```

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(198, 145, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 145, 39) }
```

Border

The CSS property to change the border of an element to Yxy 32.4030, 0.4654, 0.4465 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(198, 145, 39) }
```

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

```
.border{ border-color:rgb(198, 145, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 145, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 145, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 145, 39);  
box-shadow:4px 4px 4px 4px rgb(198, 145,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4030, 0.4654, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 145, 39) }
```

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

```
.background{ background-color: rgb(198,  
145, 39) }
```

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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