

Converting Colors

$Y_{xy}(32.7115, 0.3753, 0.4451)$

Have a look what the booklet for
Yxy(32.7115, 0.3753, 0.4451)
contains.

Yxy(32.6517, 0.3747, 0.4449) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(32.6517, 0.3747, 0.4449)

Conversions

Conversions Part 1	
Format	Color
Hex	9AA054
RGB	154, 160, 84
RGB Percent	60%, 63%, 33%
CMY	0.3960, 0.3726, 0.6706
CMYK	0.04, 0.00, 0.48, 0.37
HSL	65°, 31%, 48%
HSV	65°, 48%, 63%
XYZ	27.4996, 32.6517, 13.2398
YIQ	149.5420, 20.8200, -24.9080

Conversions

Conversions Part 2

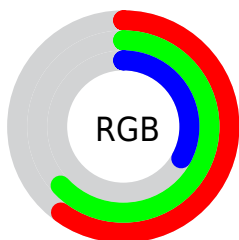
Format	Color
RYB	84, 160, 90
Decimal	10133588
CIELab	63.88, -13.60, 38.64
CIELCh	64, 40.961, 109.395
Yxy	32.6517, 0.3747, 0.4449
Android (android.graphics.Color)	4288323668 (0xFF9AA054)
YUV	149.5420, -32.3122, 3.9097
Hunter-Lab	57.1417, -14.0941, 26.2616

Details

The Yxy color $32.6517, 0.3747, 0.4449$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $11.0512, 0.2310, 0.1859$, and the grayscale version is $30.4294, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.0518, 0.3643, 0.4223$, and $13.8253, 0.3890, 0.4828$ is the 20% darker color. If you saturate the color by 10%, you get $32.3075, 0.3853, 0.4661$, and if you desaturate by 10%, it is $33.0575, 0.3626, 0.4215$.

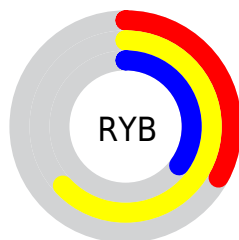
Distribution



Red (60%)

Green (63%)

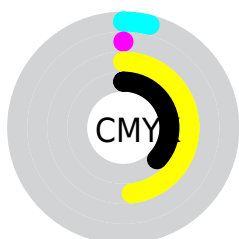
Blue (33%)



Red (33%)

Yellow (63%)

Blue (35%)

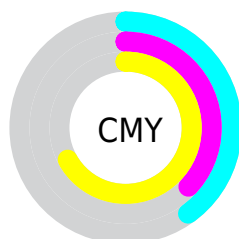


Cyan (4%)

Magenta (0%)

Yellow (48%)

Black (37%)



Cyan (40%)

Magenta (37%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6517, 0.3747, 0.4449 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 32.6517, 0.3747, 0.4449 by changing the saturation by 10% instead.


 32.6517, 0.3747,
0.4449


 32.6517, 0.3747,
0.4449


 314.0773, 0.3441,
0.3830


 21.8598, 0.3815,
0.4611


 63.8314, 0.3640,
0.4217

 13.7539, 0.3894,
0.4820


 84.9879, 0.3599,
0.4132


 7.9497, 0.3980,
0.5094


 110.3680, 0.3563,
0.4061

 4.0628, 0.4156,
0.5600

 140.3562, 0.3532,
0.4000

 1.7087, 0.4048,
0.5952

 175.3369, 0.3505,
0.3949

 0.4293, 0.1504,
0.8496

215.6943, 0.3481,

 0.0000, 0.0000,


0.3904

0.0000


261.8130, 0.3460,
0.3865


 32.6517, 0.3747,
0.4449

 32.6517, 0.3747,
0.4449


 32.3075, 0.3853,
0.4661


 33.0575, 0.3626,
0.4215


 32.0164, 0.3939,
0.4842


 33.5239, 0.3496,
0.3967

 31.7754, 0.4002,
0.4985


 34.0557, 0.3361,
0.3717

 31.5795, 0.4040,
0.5085

 34.6561, 0.3226,
0.3469


 31.4199, 0.4055,
0.5147


 35.3278, 0.3095,
0.3232

 31.3819, 0.4058,
0.5160

 36.0736, 0.2970,
0.3007

 36.8959, 0.2852,
0.2798

 37.7973, 0.2742,
0.2606

 38.7801, 0.2642,
0.2430

Harmonies

Analogous

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



32.6517, 0.4226, 0.4166



32.6517, 0.3747, 0.4449



32.6517, 0.3129, 0.4373

Triad

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



32.6517, 0.3747, 0.4449



32.6517, 0.1989, 0.2665



32.6517, 0.3677, 0.2776

Complementary

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



32.6517, 0.3747, 0.4449



11.0512, 0.2310, 0.1859

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.



32.6517, 0.3017, 0.2449



32.6517, 0.3747, 0.4449



32.6517, 0.2098, 0.2359

Square

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



32.6517, 0.3747, 0.4449



32.6517, 0.2139, 0.3216



32.6517, 0.2452, 0.2297



32.6517, 0.4212, 0.3221

Rectangle

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



32.6517, 0.3747, 0.4449



32.6517, 0.2724, 0.4084



32.6517, 0.2452, 0.2297



32.6517, 0.3458, 0.2651

Sweetspot

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



32.6532, 0.3747, 0.4449



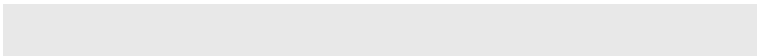
62.1741, 0.3317, 0.3636



15.2692, 0.4349, 0.3375



13.5887, 0.3345, 0.3687



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.6532, 0.3747, 0.4449



58.6271, 0.3859, 0.4673



29.5588, 0.3358, 0.4617



7.6938, 0.3249, 0.3512



24.4549, 0.4059, 0.5159



0.4443, 0.4116, 0.5113

Inverse Universe

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



11.0512, 0.2310, 0.1859



14.5754, 0.2097, 0.1502



13.3955, 0.2746, 0.2013



6.4590, 0.2999, 0.3060



2.0499, 0.1533, 0.0618



0.0431, 0.1689, 0.0704

Previews

White Background



This preview shows how the Yxy color 32.6517, 0.3747, 0.4449 looks on a white background.

Color Contrast Check

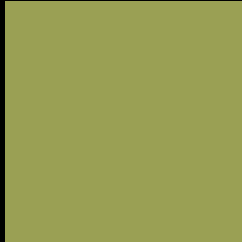
Large Text (above 18pt) WCAG AA × Fail

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 32.6517, 0.3747, 0.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

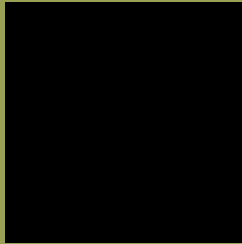
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6517, 0.3747, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 32.6517, 0.3747, 0.4449.



This preview shows how white text looks on a background with the Yxy color 32.6517, 0.3747, 0.4449.

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

32.6517, 0.3747, 0.4449

Protanopia

32.5979, 0.3970, 0.4339

Deuteranopia

32.3744, 0.4193, 0.4096



Tritanopia

32.5641, 0.3135, 0.3115

Trichromacy



Original Color

32.6517, 0.3747, 0.4449

Protanomaly

32.6310, 0.3882, 0.4379

Deuteranomaly

32.3585, 0.4023, 0.4225

Tritanomaly

32.3060, 0.3378, 0.3595

Monochromacy



Original Color

32.6517, 0.3747, 0.4449

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1969, 0.3361, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6517, 0.3747, 0.4449 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(154, 160, 84)` looks like.

```
.text, #text, p{  
    color:rgb(154, 160, 84)  
}
```

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(154, 160, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 160, 84) }
```

Border

The CSS property to change the border of an element to Yxy 32.6517, 0.3747, 0.4449 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(154, 160, 84) }
```

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

```
.border{ border-color:rgb(154, 160, 84) }
```

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

Here you see how a box with a 4 pixel rgb(154, 160, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 160, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 160, 84);  
box-shadow:4px 4px 4px 4px rgb(154, 160,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6517, 0.3747, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 160, 84) }
```

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

```
.background{ background-color: rgb(154,  
160, 84) }
```

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