

Converting Colors

$Y_{xy}(32.5791, 0.3774, 0.4686)$

Have a look what the booklet for
Yxy(32.5791, 0.3774, 0.4686)
contains.

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Color

Yxy(32.5788, 0.3774, 0.4686)

Conversions

Conversions Part 1

Format	Color
Hex	94A246
RGB	148, 162, 70
RGB Percent	58%, 64%, 27%
CMY	0.4196, 0.3647, 0.7253
CMYK	0.09, 0.00, 0.57, 0.36
HSL	69°, 40%, 45%
HSV	69°, 57%, 64%
XYZ	26.2382, 32.5788, 10.7066
YIQ	147.3260, 21.1880, -31.5800

Conversions

Conversions Part 2

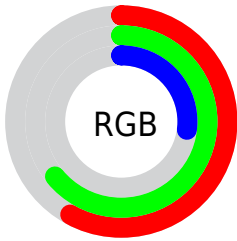
Format	Color
RYB	70, 162, 84
Decimal	9740870
CIELab	63.82, -18.48, 45.31
CIELCh	64, 48.930, 112.192
Yxy	32.5788, 0.3774, 0.4686
Android (android.graphics.Color)	4287930950 (0xFF94A246)
YUV	147.3260, -38.1217, 0.5911
Hunter-Lab	57.0778, -17.8312, 28.8329

Details

The Yxy color **32.5788, 0.3774, 0.4686** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8823, 0.2190, 0.1572**, and the grayscale version is **29.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8436, 0.3676, 0.4415**, and **13.6252, 0.3903, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **32.1746, 0.3849, 0.4884**, and if you desaturate by 10%, it is **33.0461, 0.3680, 0.4459**.

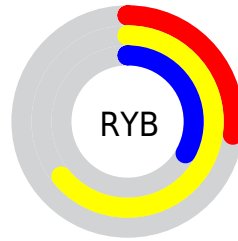
Distribution



Red (58%)

Green (64%)

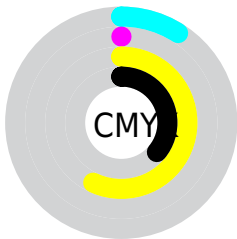
Blue (27%)



Red (27%)

Yellow (64%)

Blue (33%)

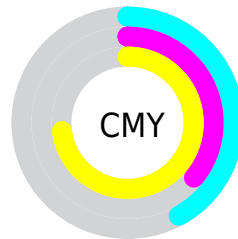


Cyan (9%)

Magenta (0%)

Yellow (57%)

Black (36%)



Cyan (42%)


Magenta (36%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5788, 0.3774, 0.4686 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 32.5788, 0.3774, 0.4686 by changing the saturation by 10% instead.


 32.5788, 0.3774,
0.4686


 32.5788, 0.3774,
0.4686


313.7475, 0.3469,
0.3940


 21.8040, 0.3834,
0.4878


 63.7174, 0.3673,
0.4408


 13.7129, 0.3895,
0.5122


 84.8499, 0.3631,
0.4305


 7.9213, 0.3943,
0.5434


 110.2038, 0.3595,
0.4219

 4.0446, 0.4031,
0.5969

 140.1635, 0.3563,
0.4146

 1.6986, 0.3737,
0.6263

 175.1133, 0.3535,
0.4084

 0.4227, 0.0000,
1.0000

215.4376, 0.3510,

 0.0000, 0.0000,

0.4029

0.0000

261.5209, 0.3488,
0.3982

■ 32.5788, 0.3774,
0.4686

■ 32.5788, 0.3774,
0.4686

■ 32.1746, 0.3849,
0.4884

■ 33.0461, 0.3680,
0.4459

■ 31.8245, 0.3900,
0.5045

■ 33.5761, 0.3571,
0.4212

■ 31.5245, 0.3927,
0.5164

■ 34.1739, 0.3453,
0.3957

■ 31.2670, 0.3930,
0.5240

■ 34.8431, 0.3331,
0.3701

■ 31.1875, 0.3929,
0.5262

■ 35.5867, 0.3209,
0.3452

■ 36.4077, 0.3089,
0.3215

■ 37.3089, 0.2975,
0.2992

■ 38.2930, 0.2867,
0.2786

■ 39.3624, 0.2766,
0.2598

Harmonies

Analogous

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



32.5788, 0.4372, 0.4343



32.5788, 0.3774, 0.4686



32.5788, 0.3042, 0.4576

Triad

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



32.5788, 0.3774, 0.4686



32.5788, 0.1802, 0.2493



32.5788, 0.3850, 0.2728

Complementary

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



32.5788, 0.3774, 0.4686



8.8823, 0.2190, 0.1572

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.



32.5788, 0.3060, 0.2339



32.5788, 0.3774, 0.4686



32.5788, 0.1954, 0.2179

Square

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



32.5788, 0.3774, 0.4686



32.5788, 0.1938, 0.3114



32.5788, 0.2382, 0.2142



32.5788, 0.4467, 0.3243

Rectangle

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



32.5788, 0.3774, 0.4686



32.5788, 0.2575, 0.4193



32.5788, 0.2382, 0.2142



32.5788, 0.3590, 0.2580

Sweetspot

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



32.5803, 0.3774, 0.4686



63.1793, 0.3338, 0.3715



14.4403, 0.4654, 0.3506



14.1362, 0.3361, 0.3764



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.5803, 0.3774, 0.4686



58.2366, 0.3864, 0.4929



29.1236, 0.3308, 0.4932



8.1824, 0.3239, 0.3514



24.5834, 0.3932, 0.5260



0.5304, 0.4033, 0.5180

Inverse Universe

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



8.8823, 0.2190, 0.1572



10.9941, 0.1958, 0.1191



11.7262, 0.2748, 0.1801



6.9094, 0.3009, 0.3059



2.2275, 0.1574, 0.0641



0.0607, 0.1838, 0.0786

Previews

White Background



This preview shows how the Yxy color 32.5788, 0.3774, 0.4686 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 32.5788, 0.3774, 0.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

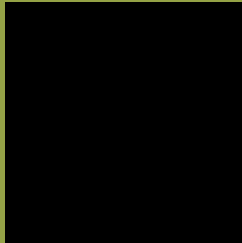
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5788, 0.3774, 0.4686

Background



This preview shows how black text looks on a background with the Yxy color 32.5788, 0.3774, 0.4686.



This preview shows how white text looks on a background with the Yxy color 32.5788, 0.3774, 0.4686.

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

32.5788, 0.3774, 0.4686

Protanopia

32.6307, 0.4101, 0.4494

Deuteranopia

32.3090, 0.4319, 0.4240



Tritanopia

32.4059, 0.3076, 0.3112

Trichromacy



Original Color

32.5788, 0.3774, 0.4686

Protanomaly

32.6699, 0.3972, 0.4568

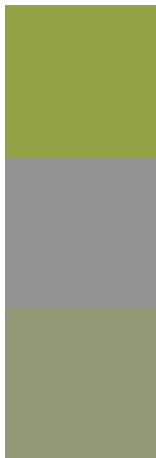
Deuteranomaly

32.0515, 0.4121, 0.4387

Tritanomaly

32.2587, 0.3350, 0.3695

Monochromacy



Original Color

32.5788, 0.3774, 0.4686

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9914, 0.3391, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5788, 0.3774, 0.4686 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(148, 162, 70)` looks like.

```
.text, #text, p{  
    color:rgb(148, 162, 70)  
}
```

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(148, 162, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 162, 70) }
```

Border

The CSS property to change the border of an element to Yxy 32.5788, 0.3774, 0.4686 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(148, 162, 70) }
```

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

```
.border{ border-color:rgb(148, 162, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 162, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 162, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 162, 70);  
box-shadow:4px 4px 4px 4px rgb(148, 162,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5788, 0.3774, 0.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 162, 70) }
```

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

```
.background{ background-color: rgb(148,  
162, 70) }
```

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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