

Converting Colors

$Y_{xy}(32.9280, 0.3758, 0.4782)$

Have a look what the booklet for
Yxy(32.9280, 0.3758, 0.4782)
contains.

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Color

Yxy(32.9523, 0.3762, 0.4786)

Conversions

Conversions Part 1

Format	Color
Hex	91A441
RGB	145, 164, 65
RGB Percent	57%, 64%, 25%
CMY	0.4315, 0.3568, 0.7451
CMYK	0.12, 0.00, 0.60, 0.36
HSL	72°, 43%, 45%
HSV	72°, 60%, 64%
XYZ	25.9019, 32.9523, 9.9972
YIQ	147.0330, 20.4550, -34.8170

Conversions

Conversions Part 2

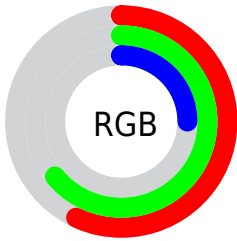
Format	Color
RYB	65, 164, 84
Decimal	9544769
CIELab	64.12, -21.19, 47.91
CIELCh	64, 52.391, 113.855
Yxy	32.9523, 0.3762, 0.4786
Android (android.graphics.Color)	4287734849 (0xFF91A441)
YUV	147.0330, -40.4423, -1.7829
Hunter-Lab	57.4041, -19.9143, 29.8572

Details

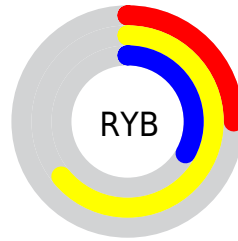
The Yxy color **32.9523, 0.3762, 0.4786** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.3501, 0.2161, 0.1473**, and the grayscale version is **29.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3649, 0.3668, 0.4486**, and **13.8790, 0.3872, 0.5244** is the 20% darker color. If you saturate the color by 10%, you get **32.5078, 0.3822, 0.4980**, and if you desaturate by 10%, it is **33.4629, 0.3681, 0.4560**.

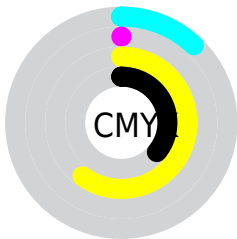
Distribution



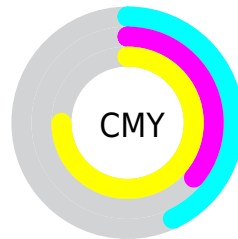
- Red (57%)
- Green (64%)
- Blue (25%)



- Red (25%)
- Yellow (64%)
- Blue (33%)



- Cyan (12%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





- Cyan (43%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9523, 0.3762, 0.4786 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 32.9523, 0.3762, 0.4786 by changing the saturation by 10% instead.


 32.9523, 0.3762,
0.4786


 32.9523, 0.3762,
0.4786


315.4347, 0.3471,
0.3987

 22.0899, 0.3814,
0.4990


 64.3011, 0.3668,
0.4489


 13.9230, 0.3862,
0.5249


 85.5562, 0.3629,
0.4379

 8.0671, 0.3892,
0.5580


 111.0444, 0.3594,
0.4286

 4.1379, 0.3911,
0.6089

 141.1500, 0.3563,
0.4208

 1.7510, 0.3577,
0.6423

 176.2575, 0.3536,
0.4141

 0.4564, 0.0000,
1.0000

216.7511, 0.3512,

 0.0000, 0.0000,

0.4083

0.0000

263.0154, 0.3490,
0.4032

■ 32.9523, 0.3762,
0.4786

■ 32.9523, 0.3762,
0.4786

■ 32.5078, 0.3822,
0.4980

■ 33.4629, 0.3681,
0.4560

■ 32.1200, 0.3857,
0.5134

■ 34.0396, 0.3585,
0.4313

■ 31.7845, 0.3868,
0.5244

■ 34.6878, 0.3476,
0.4055

■ 31.4978, 0.3860,
0.5317

■ 35.4112, 0.3362,
0.3796

■ 36.2131, 0.3246,
0.3541

■ 37.0968, 0.3131,
0.3299

■ 38.0650, 0.3021,
0.3071

■ 39.1208, 0.2916,
0.2859

■ 40.2667, 0.2817,
0.2666

Harmonies

Analogous

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



32.9523, 0.4412, 0.4423



32.9523, 0.3762, 0.4786



32.9523, 0.2985, 0.4648

Triad

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



32.9523, 0.3762, 0.4786



32.9523, 0.1731, 0.2413



32.9523, 0.3941, 0.2721

Complementary

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



32.9523, 0.3762, 0.4786



8.3501, 0.2161, 0.1473

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.



32.9523, 0.3098, 0.2304



32.9523, 0.3762, 0.4786



32.9523, 0.1906, 0.2106

Square

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



32.9523, 0.3762, 0.4786



32.9523, 0.1852, 0.3051



32.9523, 0.2369, 0.2085



32.9523, 0.4580, 0.3263

Rectangle

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



32.9523, 0.3762, 0.4786



32.9523, 0.2498, 0.4216



32.9523, 0.2369, 0.2085



32.9523, 0.3665, 0.2564

Sweetspot

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



32.9538, 0.3762, 0.4786



64.5488, 0.3339, 0.3743



14.4867, 0.4767, 0.3565



14.0271, 0.3371, 0.3815



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.



32.9538, 0.3762, 0.4786



58.7755, 0.3835, 0.5031



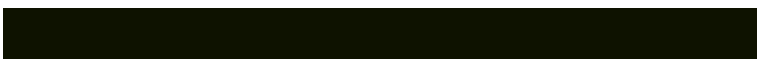
29.4439, 0.3280, 0.5058



8.1681, 0.3233, 0.3514



24.1663, 0.3863, 0.5315



0.5245, 0.3991, 0.5213

Inverse Universe

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



8.3501, 0.2161, 0.1473



10.2507, 0.1931, 0.1102



11.4215, 0.2759, 0.1730



6.9225, 0.3015, 0.3060



2.3016, 0.1605, 0.0658



0.0653, 0.1919, 0.0831

Previews

White Background



This preview shows how the Yxy color 32.9523, 0.3762, 0.4786 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 32.9523, 0.3762, 0.4786 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 32.9523, 0.3762, 0.4786

Background



This preview shows how black text looks on a background with the Yxy color 32.9523, 0.3762, 0.4786.



This preview shows how white text looks on a background with the Yxy color 32.9523, 0.3762, 0.4786.

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

32.9523, 0.3762, 0.4786

Protanopia

32.6747, 0.4154, 0.4551

Deuteranopia

32.8285, 0.4363, 0.4284



Tritanopia

32.9323, 0.3038, 0.3112

Trichromacy



Original Color

32.9523, 0.3762, 0.4786

Protanomaly

32.5991, 0.4013, 0.4635

Deuteranomaly

32.6425, 0.4142, 0.4466

Tritanomaly

32.7141, 0.3334, 0.3743

Monochromacy



Original Color

32.9523, 0.3762, 0.4786

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1778, 0.3396, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9523, 0.3762, 0.4786 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(145, 164, 65)` looks like.

```
.text, #text, p{  
    color:rgb(145, 164, 65)  
}
```

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(145, 164, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 164, 65) }
```

Border

The CSS property to change the border of an element to Yxy 32.9523, 0.3762, 0.4786 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(145, 164, 65) }
```

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

```
.border{ border-color:rgb(145, 164, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 164, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 164, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 164, 65);  
box-shadow:4px 4px 4px 4px rgb(145, 164,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9523, 0.3762, 0.4786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 164, 65) }
```

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

```
.background{ background-color: rgb(145,  
164, 65) }
```

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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