

Converting Colors

$Y_{xy}(32.8107, 0.3752, 0.4716)$

Have a look what the booklet for
Yxy(32.8107, 0.3752, 0.4716)
contains.

Yxy(32.7350, 0.3753, 0.4721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7350, 0.3753, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	92A345
RGB	146, 163, 69
RGB Percent	57%, 64%, 27%
CMY	0.4275, 0.3607, 0.7293
CMYK	0.10, 0.00, 0.58, 0.36
HSL	71°, 41%, 45%
HSV	71°, 58%, 64%
XYZ	26.0230, 32.7350, 10.5812
YIQ	147.2010, 20.0420, -32.8380

Conversions

Conversions Part 2

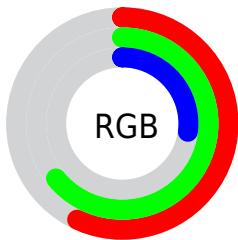
Format	Color
RYB	69, 163, 86
Decimal	9610053
CIELab	63.95, -19.92, 45.89
CIELCh	64, 50.026, 113.470
Yxy	32.7350, 0.3753, 0.4721
Android (android.graphics.Color)	4287800133 (0xFF92A345)
YUV	147.2010, -38.5531, -1.0533
Hunter-Lab	57.2145, -18.9379, 29.0852

Details

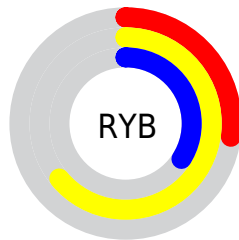
The Yxy color **32.7350, 0.3753, 0.4721** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8855, 0.2201, 0.1554**, and the grayscale version is **29.4218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0798, 0.3656, 0.4431**, and **13.7305, 0.3870, 0.5167** is the 20% darker color. If you saturate the color by 10%, you get **32.2938, 0.3821, 0.4922**, and if you desaturate by 10%, it is **33.2418, 0.3665, 0.4491**.

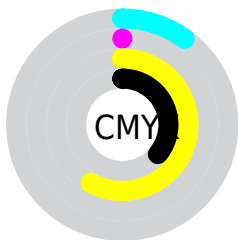
Distribution



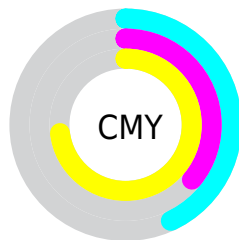
- Red (57%)
- Green (64%)
- Blue (27%)



- Red (27%)
- Yellow (64%)
- Blue (34%)



- Cyan (10%)
- Magenta (0%)
- Yellow (58%)
- Black (36%)



- Cyan (43%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7350, 0.3753, 0.4721 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 32.7350, 0.3753, 0.4721 by changing the saturation by 10% instead.

 32.7350, 0.3753,
0.4721


 32.7350, 0.3753,
0.4721


314.4539, 0.3461,
0.3955


 21.9235, 0.3808,
0.4919


 63.9616, 0.3657,
0.4435

 13.8007, 0.3863,
0.5170


 85.1455, 0.3618,
0.4330

 7.9822, 0.3900,
0.5492


 110.5556, 0.3583,
0.4241

 4.0836, 0.3966,
0.6034

 140.5764, 0.3552,
0.4167

 1.7204, 0.3650,
0.6350

 175.5922, 0.3525,
0.4102

 0.4368, 0.0000,
1.0000

215.9875, 0.3501,

 0.0000, 0.0000,

0.4047

0.0000

262.1466, 0.3480,
0.3998

■ 32.7350, 0.3753,
0.4721

■ 32.7350, 0.3753,
0.4721

■ 32.2938, 0.3821,
0.4922

■ 33.2418, 0.3665,
0.4491

■ 31.9090, 0.3865,
0.5086

■ 33.8139, 0.3563,
0.4241

■ 31.5766, 0.3884,
0.5206

■ 34.4566, 0.3451,
0.3983

■ 31.2875, 0.3881,
0.5285

■ 35.1735, 0.3334,
0.3725

■ 31.2222, 0.3879,
0.5302

■ 35.9677, 0.3216,
0.3474

■ 36.8423, 0.3100,
0.3235

■ 37.8002, 0.2990,
0.3012

■ 38.8440, 0.2885,
0.2805

■ 39.9765, 0.2787,
0.2616

Harmonies

Analogous

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



32.7350, 0.4373, 0.4380



32.7350, 0.3753, 0.4721



32.7350, 0.3006, 0.4588

Triad

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



32.7350, 0.3753, 0.4721



32.7350, 0.1780, 0.2456



32.7350, 0.3898, 0.2737

Complementary

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



32.7350, 0.3753, 0.4721



8.8855, 0.2201, 0.1554

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.



32.7350, 0.3091, 0.2336



32.7350, 0.3753, 0.4721



32.7350, 0.1946, 0.2152

Square

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



32.7350, 0.3753, 0.4721



32.7350, 0.1904, 0.3075



32.7350, 0.2392, 0.2126



32.7350, 0.4513, 0.3263

Rectangle

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



32.7350, 0.3753, 0.4721



32.7350, 0.2535, 0.4182



32.7350, 0.2392, 0.2126



32.7350, 0.3633, 0.2586

Sweetspot

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



32.7365, 0.3753, 0.4721



63.0312, 0.3330, 0.3717



14.6659, 0.4674, 0.3533



14.0995, 0.3352, 0.3765



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.



32.7365, 0.3753, 0.4721



57.6381, 0.3835, 0.4969



29.3572, 0.3294, 0.4967



8.1721, 0.3235, 0.3514



24.2804, 0.3882, 0.5299



0.5261, 0.4003, 0.5204

Inverse Universe

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



8.8855, 0.2201, 0.1554



10.8663, 0.1971, 0.1178



11.7842, 0.2760, 0.1787



6.9188, 0.3014, 0.3060



2.2793, 0.1595, 0.0653



0.0641, 0.1896, 0.0818

Previews

White Background



This preview shows how the Yxy color 32.7350, 0.3753, 0.4721 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 32.7350, 0.3753, 0.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

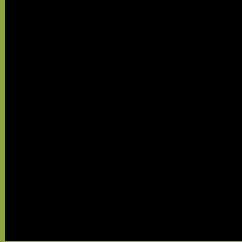
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7350, 0.3753, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 32.7350, 0.3753, 0.4721.



This preview shows how white text looks on a background with the Yxy color 32.7350, 0.3753, 0.4721.

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

32.7350, 0.3753, 0.4721

Protanopia

32.6186, 0.4109, 0.4505

Deuteranopia

32.4248, 0.4337, 0.4246



Tritanopia

32.6672, 0.3057, 0.3112

Trichromacy



Original Color

32.7350, 0.3753, 0.4721

Protanomaly

32.6576, 0.3979, 0.4580

Deuteranomaly

32.3643, 0.4121, 0.4410

Tritanomaly

32.4980, 0.3337, 0.3711

Monochromacy



Original Color

32.7350, 0.3753, 0.4721

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3174, 0.3388, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7350, 0.3753, 0.4721 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(146, 163, 69)` looks like.

```
.text, #text, p{  
    color:rgb(146, 163, 69)  
}
```

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(146, 163, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 163, 69) }
```

Border

The CSS property to change the border of an element to Yxy 32.7350, 0.3753, 0.4721 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(146, 163, 69) }
```

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

```
.border{ border-color:rgb(146, 163, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 163, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 163, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 163, 69);  
box-shadow:4px 4px 4px 4px rgb(146, 163,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7350, 0.3753, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 163, 69) }
```

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

```
.background{ background-color: rgb(146,  
163, 69) }
```

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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