

Converting Colors

$Y_{xy}(32.8017, 0.3707, 0.5136)$

Have a look what the booklet for
Yxy(32.8017, 0.3707, 0.5136)
contains.

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Color

Yxy(32.6371, 0.3713, 0.5132)

Conversions

Conversions Part 1

Format	Color
Hex	83A72B
RGB	131, 167, 43
RGB Percent	51%, 65%, 17%
CMY	0.4864, 0.3451, 0.8312
CMYK	0.22, 0.00, 0.74, 0.35
HSL	77°, 59%, 41%
HSV	77°, 74%, 65%
XYZ	23.6129, 32.6371, 7.3453
YIQ	142.1000, 18.3480, -46.1960

Conversions

Conversions Part 2

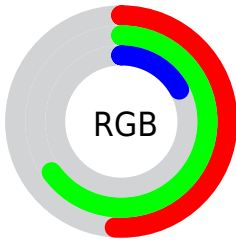
Format	Color
RYB	43, 167, 79
Decimal	8628011
CIELab	63.87, -29.93, 56.28
CIELCh	64, 63.746, 118.002
Yxy	32.6371, 0.3713, 0.5132
Android (android.graphics.Color)	4286818091 (0xFF83A72B)
YUV	142.1000, -48.8563, -9.7347
Hunter-Lab	57.1289, -26.1966, 32.3671

Details

The Yxy color **32.6371, 0.3713, 0.5132** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1878, 0.2034, 0.1137**, and the grayscale version is **27.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6892, 0.3649, 0.4761**, and **13.8392, 0.3645, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **32.1614, 0.3722, 0.5289**, and if you desaturate by 10%, it is **33.1841, 0.3679, 0.4932**.

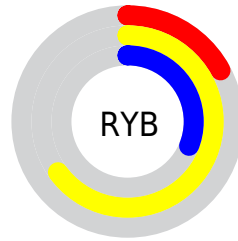
Distribution



Red (51%)

Green (65%)

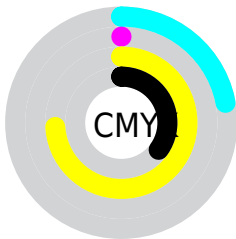
Blue (17%)



Red (17%)

Yellow (65%)

Blue (31%)

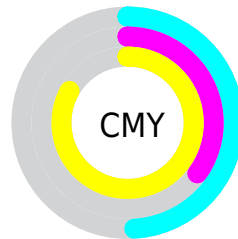


Cyan (22%)

Magenta (0%)

Yellow (74%)

Black (35%)



Cyan (49%)


Magenta (35%)

Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6371, 0.3713, 0.5132 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 32.6371, 0.3713, 0.5132 by changing the saturation by 10% instead.

 32.6371, 0.3713,
0.5132


 32.6371, 0.3713,
0.5132


 314.0113, 0.3476,
0.4145

 21.8486, 0.3735,
0.5379


 63.8085, 0.3650,
0.4767


 13.7457, 0.3733,
0.5685


 84.9602, 0.3618,
0.4631

 7.9440, 0.3731,
0.6155


 110.3352, 0.3589,
0.4516

 4.0591, 0.3487,
0.6513

 140.3176, 0.3562,
0.4419

 1.7067, 0.2991,
0.7009

 175.2921, 0.3537,
0.4336

 0.4280, 0.0000,
1.0000

 215.6429, 0.3515,

 0.0000, 0.0000,

0.4264

0.0000

261.7545, 0.3494,
0.4200

■ 32.6371, 0.3713,
0.5132

■ 32.6371, 0.3713,
0.5132

■ 32.1614, 0.3722,
0.5289

■ 33.1841, 0.3679,
0.4932

■ 31.7458, 0.3707,
0.5399

■ 33.8037, 0.3624,
0.4698

■ 31.5243, 0.3692,
0.5450

■ 34.5023, 0.3550,
0.4442

■ 35.2845, 0.3463,
0.4174

■ 36.1544, 0.3368,
0.3904

■ 37.1156, 0.3269,
0.3641

■ 38.1718, 0.3169,
0.3391

■ 39.3263, 0.3071,
0.3157

■ 40.5822, 0.2978,
0.2941

Harmonies

Analogous

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



32.6371, 0.4532, 0.4677



32.6371, 0.3713, 0.5132



32.6371, 0.2794, 0.4908

Triad

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



32.6371, 0.3713, 0.5132



32.6371, 0.1503, 0.2156



32.6371, 0.4247, 0.2685

Complementary

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



32.6371, 0.3713, 0.5132



6.1878, 0.2034, 0.1137

Split Complementary

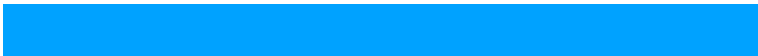
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.6371, 0.3218, 0.2186



32.6371, 0.3713, 0.5132



32.6371, 0.1746, 0.1873

Square

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



32.6371, 0.3713, 0.5132



32.6371, 0.1580, 0.2840



32.6371, 0.2318, 0.1899



32.6371, 0.4959, 0.3312

Rectangle

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



32.6371, 0.3713, 0.5132



32.6371, 0.2244, 0.4300



32.6371, 0.2318, 0.1899



32.6371, 0.3915, 0.2500

Sweetspot

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



32.6386, 0.3713, 0.5132



65.0449, 0.3350, 0.3856



13.8647, 0.5174, 0.3754



14.4604, 0.3375, 0.3925



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.6386, 0.3713, 0.5132



57.1057, 0.3715, 0.5365



29.1139, 0.3170, 0.5502



8.6627, 0.3219, 0.3516



24.1462, 0.3697, 0.5447



0.6117, 0.3869, 0.5310

Inverse Universe

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



6.1878, 0.2034, 0.1137



7.3454, 0.1801, 0.0821



10.1105, 0.2817, 0.1524



7.4022, 0.3030, 0.3060



2.6484, 0.1705, 0.0713



0.0902, 0.2079, 0.0919

Previews

White Background



This preview shows how the Yxy color 32.6371, 0.3713, 0.5132 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 32.6371, 0.3713, 0.5132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

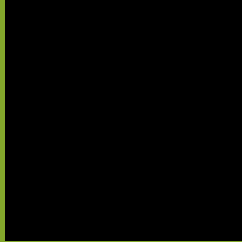
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6371, 0.3713, 0.5132

Background



This preview shows how black text looks on a background with the Yxy color 32.6371, 0.3713, 0.5132.



This preview shows how white text looks on a background with the Yxy color 32.6371, 0.3713, 0.5132.

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

32.6371, 0.3713, 0.5132

Protanopia

32.4801, 0.4280, 0.4738

Deuteranopia

32.4528, 0.4510, 0.4429



Tritanopia

32.6238, 0.2918, 0.3107

Trichromacy



Original Color

32.6371, 0.3713, 0.5132

Protanomaly

32.2255, 0.4074, 0.4881

Deuteranomaly

31.8790, 0.4212, 0.4680

Tritanomaly

32.1471, 0.3263, 0.3890

Monochromacy



Original Color

32.6371, 0.3713, 0.5132

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.5771, 0.3420, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6371, 0.3713, 0.5132 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(131, 167, 43)` looks like.

```
.text, #text, p{  
    color:rgb(131, 167, 43)  
}
```

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(131, 167, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 167, 43) }
```

Border

The CSS property to change the border of an element to Yxy 32.6371, 0.3713, 0.5132 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(131, 167, 43) }
```

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

```
.border{ border-color:rgb(131, 167, 43) }
```

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

Here you see how a box with a 4 pixel rgb(131, 167, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 167, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 167, 43);  
box-shadow:4px 4px 4px 4px rgb(131, 167,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6371, 0.3713, 0.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 167, 43) }
```

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

```
.background{ background-color: rgb(131,  
167, 43) }
```

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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