

Converting Colors

$Yxy(32.4225, 0.3450, 0.4503)$

Have a look what the booklet for
Yxy(32.4225, 0.3450, 0.4503)
contains.

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Color

Yxy(32.2928, 0.3452, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	85A45B
RGB	133, 164, 91
RGB Percent	52%, 64%, 36%
CMY	0.4784, 0.3569, 0.6431
CMYK	0.19, 0.00, 0.45, 0.36
HSL	85°, 29%, 50%
HSV	85°, 45%, 64%
XYZ	24.8384, 32.2928, 14.8225
YIQ	146.4090, 4.9570, -29.2750

Conversions

Conversions Part 2

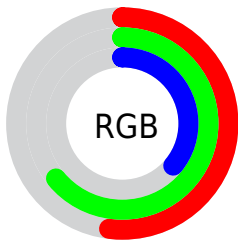
Format	Color
RYB	91, 164, 122
Decimal	8758363
CIELab	63.58, -23.37, 34.33
CIELCh	64, 41.528, 124.243
Yxy	32.2928, 0.3452, 0.4488
Android (android.graphics.Color)	4286948443 (0xFF85A45B)
YUV	146.4090, -27.3166, -11.7597
Hunter-Lab	56.8268, -21.4263, 24.3138

Details

The Yxy color **32.2928, 0.3452, 0.4488** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3006, 0.2650, 0.2052**, and the grayscale version is **29.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1808, 0.3403, 0.4240**, and **13.5566, 0.3511, 0.4902** is the 20% darker color. If you saturate the color by 10%, you get **31.4933, 0.3502, 0.4766**, and if you desaturate by 10%, it is **33.1946, 0.3389, 0.4203**.

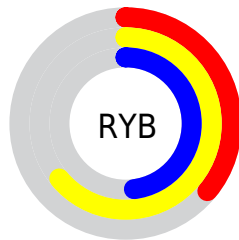
Distribution



Red (52%)

Green (64%)

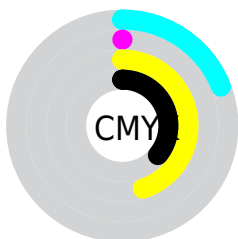
Blue (36%)



Red (36%)

Yellow (64%)

Blue (48%)

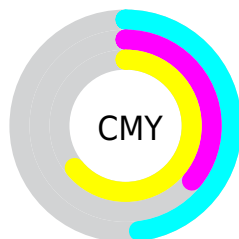


Cyan (19%)

Magenta (0%)

Yellow (45%)

Black (36%)



Cyan (48%)


Magenta (36%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2928, 0.3452, 0.4488 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 32.2928, 0.3452, 0.4488 by changing the saturation by 10% instead.


 32.2928, 0.3452,
0.4488


 32.2928, 0.3452,
0.4488


312.4509, 0.3302,
0.3830

 21.5852, 0.3480,
0.4670


 63.2698, 0.3403,
0.4235


 13.5525, 0.3508,
0.4913


 84.3081, 0.3383,
0.4144

 7.8101, 0.3525,
0.5250


 109.5587, 0.3365,
0.4069

 3.9737, 0.3547,
0.5806

 139.4061, 0.3350,
0.4006

 1.6588, 0.3412,
0.6588

174.2346, 0.3336,
0.3952

 0.3968, 0.0000,
1.0000

214.4286, 0.3323,

 0.0000, 0.0000,

0.3906

0.0000

260.3726, 0.3312,
0.3866

■ 32.2928, 0.3452,
0.4488

■ 32.2928, 0.3452,
0.4488

■ 31.4933, 0.3502,
0.4766

■ 33.1946, 0.3389,
0.4203

■ 30.7870, 0.3535,
0.5024

■ 34.1987, 0.3317,
0.3922

■ 30.1700, 0.3547,
0.5249


■ 35.3108, 0.3240,
0.3652


■ 29.6364, 0.3536,
0.5430


■ 36.5347, 0.3162,
0.3398

■ 29.1789, 0.3503,
0.5560


■ 37.8740, 0.3085,
0.3164

 28.9510, 0.3480,
0.5619

 39.3321, 0.3011,
0.2950

 40.9123, 0.2940,
0.2757

 42.6178, 0.2873,
0.2583

 44.4516, 0.2811,
0.2427

Harmonies

Analogous

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



32.2928, 0.4030, 0.4356



32.2928, 0.3452, 0.4488



32.2928, 0.2818, 0.4192

Triad

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



32.2928, 0.3452, 0.4488



32.2928, 0.1995, 0.2468



32.2928, 0.3988, 0.2980

Complementary

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



32.2928, 0.3452, 0.4488



14.3006, 0.2650, 0.2052

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.



32.2928, 0.3347, 0.2581



32.2928, 0.3452, 0.4488



32.2928, 0.2230, 0.2284

Square

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



32.2928, 0.3452, 0.4488



32.2928, 0.2015, 0.2909



32.2928, 0.2702, 0.2333



32.2928, 0.4383, 0.3464

Rectangle

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



32.2928, 0.3452, 0.4488



32.2928, 0.2450, 0.3789



32.2928, 0.2702, 0.2333



32.2928, 0.3790, 0.2834

Sweetspot

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



32.2942, 0.3452, 0.4488



64.3642, 0.3230, 0.3619



22.4252, 0.4050, 0.3771



13.9732, 0.3247, 0.3674



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.



32.2942, 0.3452, 0.4488



57.2354, 0.3500, 0.4752



29.8528, 0.3114, 0.4624



8.0868, 0.3199, 0.3516



22.2265, 0.3486, 0.5614



0.4941, 0.3748, 0.5406

Inverse Universe

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



14.3006, 0.2650, 0.2052



20.4865, 0.2517, 0.1769



17.4243, 0.3099, 0.2202



7.0000, 0.3050, 0.3062



3.0697, 0.1904, 0.0822



0.0921, 0.2337, 0.1061

Previews

White Background



This preview shows how the Yxy color 32.2928, 0.3452, 0.4488 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 32.2928, 0.3452, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

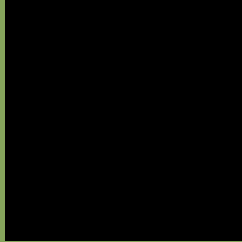
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2928, 0.3452, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 32.2928, 0.3452, 0.4488.



This preview shows how white text looks on a background with the Yxy color 32.2928, 0.3452, 0.4488.

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

32.2928, 0.3452, 0.4488

Protanopia

32.2343, 0.3923, 0.4267

Deuteranopia

32.1328, 0.4084, 0.4007



Tritanopia

32.1991, 0.2908, 0.3091

Trichromacy



Original Color

32.2928, 0.3452, 0.4488

Protanomaly

32.2262, 0.3747, 0.4360

Deuteranomaly

31.8061, 0.3845, 0.4167

Tritanomaly

31.9226, 0.3114, 0.3578

Monochromacy



Original Color

32.2928, 0.3452, 0.4488

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9515, 0.3258, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2928, 0.3452, 0.4488 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(133, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 164, 91)  
}
```

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(133, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 164, 91) }
```

Border

The CSS property to change the border of an element to Yxy 32.2928, 0.3452, 0.4488 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(133, 164, 91) }
```

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

```
.border{ border-color:rgb(133, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 164,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2928, 0.3452, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 164, 91) }
```

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

```
.background{ background-color: rgb(133,  
164, 91) }
```

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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