

Converting Colors

$Yxy(32.8190, 0.3440, 0.4552)$

Have a look what the booklet for
Yxy(32.8190, 0.3440, 0.4552)
contains.

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Color

Yxy(32.8190, 0.3440, 0.4552)

Conversions

Conversions Part 1

Format	Color
Hex	83A659
RGB	131, 166, 89
RGB Percent	51%, 65%, 35%
CMY	0.4862, 0.3490, 0.6510
CMYK	0.21, 0.00, 0.46, 0.35
HSL	87°, 30%, 50%
HSV	87°, 46%, 65%
XYZ	24.8017, 32.8190, 14.4773
YIQ	146.7570, 3.8570, -31.3670

Conversions

Conversions Part 2

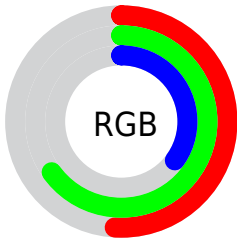
Format	Color
RYB	89, 166, 124
Decimal	8627801
CIELab	64.01, -25.38, 35.88
CIELCh	64, 43.945, 125.275
Yxy	32.8190, 0.3440, 0.4552
Android (android.graphics.Color)	4286817881 (0xFF83A659)
YUV	146.7570, -28.4742, -13.8189
Hunter-Lab	57.2879, -22.9756, 25.1183

Details

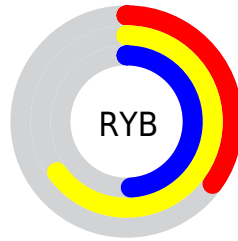
The Yxy color **32.8190, 0.3440, 0.4552** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.1803, 0.2651, 0.2004**, and the grayscale version is **29.1926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9206, 0.3396, 0.4290**, and **13.8501, 0.3481, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **31.9918, 0.3482, 0.4832**, and if you desaturate by 10%, it is **33.7558, 0.3384, 0.4263**.

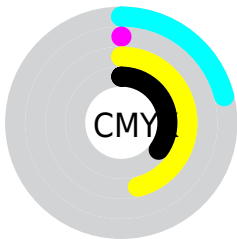
Distribution



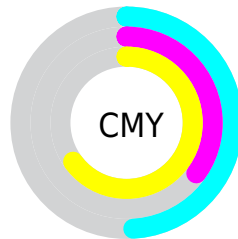
- Red (51%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (49%)



- Cyan (21%)
- Magenta (0%)
- Yellow (46%)
- Black (35%)





- Cyan (49%)
- Magenta (35%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8190, 0.3440, 0.4552 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 32.8190, 0.3440, 0.4552 by changing the saturation by 10% instead.


 32.8190, 0.3440,
0.4552


 32.8190, 0.3440,
0.4552


 314.8334, 0.3300,
0.3859

 21.9878, 0.3464,
0.4743


 64.0928, 0.3396,
0.4286

 13.8480, 0.3485,
0.4998


 85.3043, 0.3377,
0.4190


 8.0150, 0.3491,
0.5349

 110.7446, 0.3360,
0.4111

 4.1045, 0.3502,
0.5939

 140.7982, 0.3345,
0.4045

 1.7322, 0.3305,
0.6695

 175.8495, 0.3332,
0.3988

 0.4444, 0.0000,
1.0000

 216.2829, 0.3320,

 0.0000, 0.0000,

0.3939

0.0000

262.4827, 0.3310,
0.3897

■ 32.8190, 0.3440,
0.4552

■ 32.8190, 0.3440,
0.4552

■ 31.9918, 0.3482,
0.4832

■ 33.7558, 0.3384,
0.4263

■ 31.2647, 0.3507,
0.5090

■ 34.8026, 0.3318,
0.3977

■ 30.6333, 0.3510,
0.5313


■ 35.9653, 0.3247,
0.3703


■ 30.0911, 0.3491,
0.5489

■ 37.2482, 0.3174,
0.3445


■ 29.6293, 0.3451,
0.5614

■ 38.6550, 0.3101,
0.3206

 29.4759, 0.3436,
0.5654

 40.1896, 0.3030,
0.2989

 41.8556, 0.2962,
0.2793

 43.6562, 0.2899,
0.2616

 45.5948, 0.2839,
0.2458

Harmonies

Analogous

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



32.8190, 0.4052, 0.4417



32.8190, 0.3440, 0.4552



32.8190, 0.2777, 0.4226

Triad

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



32.8190, 0.3440, 0.4552



32.8190, 0.1948, 0.2415



32.8190, 0.4053, 0.2980

Complementary

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



32.8190, 0.3440, 0.4552



14.1803, 0.2651, 0.2004

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.



32.8190, 0.3381, 0.2561



32.8190, 0.3440, 0.4552



32.8190, 0.2201, 0.2236

Square

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



32.8190, 0.3440, 0.4552



32.8190, 0.1958, 0.2865



32.8190, 0.2701, 0.2296



32.8190, 0.4455, 0.3483

Rectangle

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



32.8190, 0.3440, 0.4552



32.8190, 0.2398, 0.3791



32.8190, 0.2701, 0.2296



32.8190, 0.3846, 0.2827

Sweetspot

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



32.8204, 0.3440, 0.4552



65.7511, 0.3232, 0.3646



23.1552, 0.4084, 0.3829



14.6092, 0.3247, 0.3702



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.



32.8204, 0.3440, 0.4552



57.9710, 0.3485, 0.4850



30.3125, 0.3091, 0.4700



8.6019, 0.3195, 0.3518



22.8854, 0.3442, 0.5649



0.5866, 0.3690, 0.5452

Inverse Universe

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



14.1803, 0.2651, 0.2004



19.7801, 0.2507, 0.1693



17.5942, 0.3130, 0.2169



7.4612, 0.3054, 0.3062



3.3347, 0.1955, 0.0850



0.1117, 0.2348, 0.1067

Previews

White Background



This preview shows how the Yxy color 32.8190, 0.3440, 0.4552 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 32.8190, 0.3440, 0.4552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

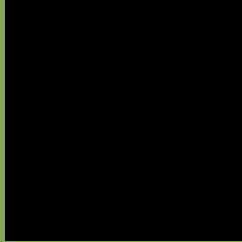
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8190, 0.3440, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 32.8190, 0.3440, 0.4552.



This preview shows how white text looks on a background with the Yxy color 32.8190, 0.3440, 0.4552.

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

32.8190, 0.3440, 0.4552

Protanopia

32.6446, 0.3944, 0.4301

Deuteranopia

32.6615, 0.4118, 0.4039



Tritanopia

32.7293, 0.2883, 0.3107

Trichromacy



Original Color

32.8190, 0.3440, 0.4552

Protanomaly

32.5361, 0.3758, 0.4400

Deuteranomaly

32.4309, 0.3850, 0.4220

Tritanomaly

32.4383, 0.3093, 0.3611

Monochromacy



Original Color

32.8190, 0.3440, 0.4552

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2803, 0.3256, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8190, 0.3440, 0.4552 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, 166, 89)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 89)  
}
```

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, 166, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 89) }
```

Border

The CSS property to change the border of an element to Yxy 32.8190, 0.3440, 0.4552 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, 166, 89) }
```

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

```
.border{ border-color:rgb(131, 166, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 89);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8190, 0.3440, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 89) }
```

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

```
.background{ background-color: rgb(131,  
166, 89) }
```

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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