

Converting Colors

$Yxy(32.4407, 0.3433, 0.4391)$

Have a look what the booklet for
Yxy(32.4407, 0.3433, 0.4391)
contains.

Yxy(32.5463, 0.3433, 0.4402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.5463, 0.3433, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	87A460
RGB	135, 164, 96
RGB Percent	53%, 64%, 38%
CMY	0.4705, 0.3569, 0.6236
CMYK	0.18, 0.00, 0.41, 0.36
HSL	86°, 27%, 51%
HSV	86°, 41%, 64%
XYZ	25.3820, 32.5463, 16.0070
YIQ	147.5770, 4.5440, -27.2960

Conversions

Conversions Part 2

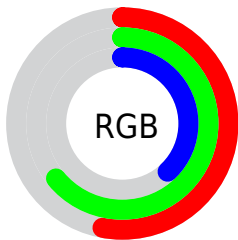
Format	Color
RYB	96, 164, 125
Decimal	8889440
CIELab	63.79, -21.95, 32.02
CIELCh	64, 38.817, 124.431
Yxy	32.5463, 0.3433, 0.4402
Android (android.graphics.Color)	4287079520 (0xFF87A460)
YUV	147.5770, -25.4275, -11.0300
Hunter-Lab	57.0494, -20.4195, 23.2989

Details

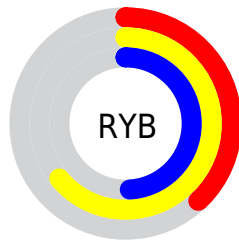
The Yxy color **32.5463, 0.3433, 0.4402** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3997, 0.2692, 0.2145**, and the grayscale version is **29.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6200, 0.3380, 0.4162**, and **13.6866, 0.3493, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **31.7159, 0.3487, 0.4683**, and if you desaturate by 10%, it is **33.4806, 0.3367, 0.4117**.

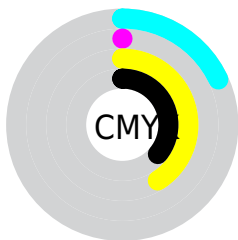
Distribution



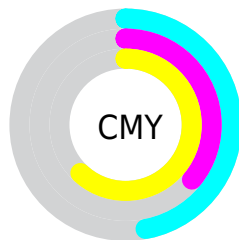
- Red (53%)
- Green (64%)
- Blue (38%)



- Red (38%)
- Yellow (64%)
- Blue (49%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (36%)




- Cyan (47%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5463, 0.3433, 0.4402 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 32.5463, 0.3433, 0.4402 by changing the saturation by 10% instead.

 32.5463, 0.3433,
0.4402


 32.5463, 0.3433,
0.4402


313.6004, 0.3290,
0.3793


 21.7791, 0.3461,
0.4571


 63.6665, 0.3385,
0.4168

 13.6947, 0.3491,
0.4797


 84.7884, 0.3366,
0.4084

 7.9086, 0.3515,
0.5112


 110.1306, 0.3349,
0.4014

 4.0365, 0.3529,
0.5598

 140.0775, 0.3334,
0.3956

 1.6940, 0.3514,
0.6486

175.0135, 0.3321,
0.3906

 0.4198, 0.0000,
1.0000

215.3231, 0.3310,

 0.0000, 0.0000,

0.3863

0.0000

261.3906, 0.3299,
0.3825

■ 32.5463, 0.3433,
0.4402

■ 32.5463, 0.3433,
0.4402

■ 31.7159, 0.3487,
0.4683

■ 33.4806, 0.3367,
0.4117

■ 30.9804, 0.3526,
0.4949

■ 34.5187, 0.3293,
0.3838

■ 30.3362, 0.3544,
0.5186

■ 35.6663, 0.3216,
0.3573

■ 29.7774, 0.3540,
0.5381

■ 36.9269, 0.3139,
0.3325


■ 29.2973, 0.3513,
0.5527


■ 38.3043, 0.3062,
0.3097

 28.9377, 0.3478,
0.5620

 39.8018, 0.2989,
0.2889

 41.4227, 0.2919,
0.2702

 43.1700, 0.2854,
0.2534

 45.0468, 0.2793,
0.2383

Harmonies

Analogous

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



32.5463, 0.3973, 0.4292



32.5463, 0.3433, 0.4402



32.5463, 0.2839, 0.4122

Triad

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



32.5463, 0.3433, 0.4402



32.5463, 0.2062, 0.2520



32.5463, 0.3933, 0.3005

Complementary

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



32.5463, 0.3433, 0.4402



15.3997, 0.2692, 0.2145

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.



32.5463, 0.3338, 0.2626



32.5463, 0.3433, 0.4402



32.5463, 0.2287, 0.2344

Square

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



32.5463, 0.3433, 0.4402



32.5463, 0.2081, 0.2936



32.5463, 0.2735, 0.2390



32.5463, 0.4299, 0.3463

Rectangle

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



32.5463, 0.3433, 0.4402



32.5463, 0.2493, 0.3750



32.5463, 0.2735, 0.2390



32.5463, 0.3749, 0.2866

Sweetspot

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



32.5477, 0.3433, 0.4402



64.5789, 0.3222, 0.3592



23.2331, 0.3969, 0.3738



14.0611, 0.3232, 0.3624



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.



32.5477, 0.3433, 0.4402



57.6480, 0.3485, 0.4669



30.1986, 0.3117, 0.4519



8.0863, 0.3199, 0.3516



22.2176, 0.3484, 0.5615



0.4939, 0.3746, 0.5407

Inverse Universe

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



15.3997, 0.2692, 0.2145



22.1455, 0.2562, 0.1860



18.3461, 0.3102, 0.2272



7.0005, 0.3050, 0.3062



3.0760, 0.1906, 0.0824



0.0922, 0.2339, 0.1062

Previews

White Background



This preview shows how the Yxy color 32.5463, 0.3433, 0.4402 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 32.5463, 0.3433, 0.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

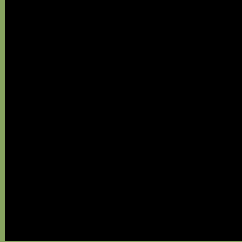
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5463, 0.3433, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 32.5463, 0.3433, 0.4402.



This preview shows how white text looks on a background with the Yxy color 32.5463, 0.3433, 0.4402.

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

32.5463, 0.3433, 0.4402

Protanopia

32.3189, 0.3879, 0.4200

Deuteranopia

32.1018, 0.4024, 0.3945



Tritanopia

32.6238, 0.2918, 0.3107

Trichromacy



Original Color

32.5463, 0.3433, 0.4402

Protanomaly

32.4121, 0.3715, 0.4284

Deuteranomaly

31.8988, 0.3798, 0.4096

Tritanomaly

32.4120, 0.3105, 0.3560

Monochromacy



Original Color

32.5463, 0.3433, 0.4402

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5358, 0.3249, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5463, 0.3433, 0.4402 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(135, 164, 96)` looks like.

```
.text, #text, p{  
    color:rgb(135, 164, 96)  
}
```

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(135, 164, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 164, 96) }
```

Border

The CSS property to change the border of an element to Yxy 32.5463, 0.3433, 0.4402 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(135, 164, 96) }
```

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

```
.border{ border-color:rgb(135, 164, 96) }
```

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

Here you see how a box with a 4 pixel rgb(135, 164, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 164, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 164, 96);  
box-shadow:4px 4px 4px 4px rgb(135, 164,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5463, 0.3433, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 164, 96) }
```

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

```
.background{ background-color: rgb(135,  
164, 96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor