

Converting Colors

$Yxy(32.0637, 0.3275, 0.4111)$

Have a look what the booklet for
Yxy(32.0637, 0.3275, 0.4111)
contains.

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Color

Yxy(32.0195, 0.3277, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	85A271
RGB	133, 162, 113
RGB Percent	52%, 64%, 44%
CMY	0.4784, 0.3647, 0.5570
CMYK	0.18, 0.00, 0.30, 0.36
HSL	95°, 21%, 54%
HSV	95°, 30%, 64%
XYZ	25.5735, 32.0195, 20.4463
YIQ	147.7430, -1.5550, -21.3870

Conversions

Conversions Part 2

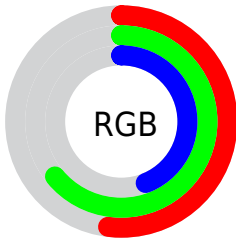
Format	Color
RYB	113, 162, 142
Decimal	8757873
CIELab	63.36, -19.27, 22.30
CIElCh	63, 29.473, 130.841
Yxy	32.0195, 0.3277, 0.4103
Android (android.graphics.Color)	4286947953 (0xFF85A271)
YUV	147.7430, -17.1283, -12.9296
Hunter-Lab	56.5858, -18.3536, 18.1866

Details

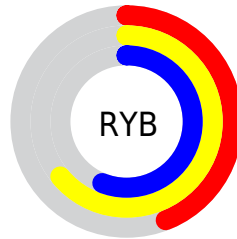
The Yxy color **32.0195, 0.3277, 0.4103** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1603, 0.2926, 0.2502**, and the grayscale version is **29.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9071, 0.3256, 0.3932**, and **13.3725, 0.3308, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **30.9435, 0.3317, 0.4405**, and if you desaturate by 10%, it is **33.2346, 0.3230, 0.3814**.

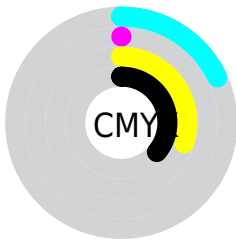
Distribution



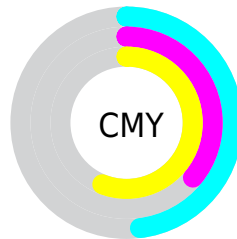
- Red (52%)
- Green (64%)
- Blue (44%)



- Red (44%)
- Yellow (64%)
- Blue (56%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (36%)





- Cyan (48%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0195, 0.3277, 0.4103 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 32.0195, 0.3277, 0.4103 by changing the saturation by 10% instead.


 32.0195, 0.3277,
0.4103


 32.0195, 0.3277,
0.4103


311.2081, 0.3207,
0.3656

 21.3764, 0.3291,
0.4229


 62.8417, 0.3253,
0.3930

 13.3994, 0.3307,
0.4401

 83.7895, 0.3244,
0.3868

 7.7042, 0.3321,
0.4646


 108.9410, 0.3236,
0.3818

 3.9062, 0.3324,
0.5021

 138.6807, 0.3229,
0.3775

 1.6212, 0.3594,
0.6209

173.3928, 0.3222,
0.3739

 0.3719, 0.0000,
1.0000

213.4618, 0.3217,

 0.0000, 0.0000,

0.3707

0.0000

259.2721, 0.3212,
0.3680

■ 32.0195, 0.3277,
0.4103

■ 32.0195, 0.3277,
0.4103

■ 30.9435, 0.3317,
0.4405

■ 33.2346, 0.3230,
0.3814

■ 29.9970, 0.3347,
0.4711

■ 34.5895, 0.3180,
0.3544

■ 29.1756, 0.3363,
0.5006


■ 36.0905, 0.3129,
0.3296


■ 28.4731, 0.3362,
0.5275

■ 37.7421, 0.3077,
0.3073

■ 27.8826, 0.3342,
0.5502

■ 39.5485, 0.3028,
0.2872


 27.3960, 0.3305,
0.5674

 41.5139, 0.2980,
0.2694

 27.0074, 0.3258,
0.5795

 43.6423, 0.2935,
0.2535

 45.9374, 0.2894,
0.2394

 48.1575, 0.2881,
0.2303

Harmonies

Analogous

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



32.0195, 0.3711, 0.4101



32.0195, 0.3277, 0.4103



32.0195, 0.2822, 0.3831

Triad

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



32.0195, 0.3277, 0.4103



32.0195, 0.2313, 0.2653



32.0195, 0.3820, 0.3150

Complementary

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



32.0195, 0.3277, 0.4103



20.1603, 0.2926, 0.2502

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.



32.0195, 0.3397, 0.2826



32.0195, 0.3277, 0.4103



32.0195, 0.2536, 0.2542

Square

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



32.0195, 0.3277, 0.4103



32.0195, 0.2288, 0.2947



32.0195, 0.2923, 0.2609



32.0195, 0.4046, 0.3522

Rectangle

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



32.0195, 0.3277, 0.4103



32.0195, 0.2568, 0.3540



32.0195, 0.2923, 0.2609



32.0195, 0.3695, 0.3034

Sweetspot

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



32.0209, 0.3277, 0.4103



63.0772, 0.3175, 0.3515



28.0927, 0.3657, 0.3737



14.0852, 0.3182, 0.3551



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.



32.0209, 0.3277, 0.4103



56.8456, 0.3304, 0.4296



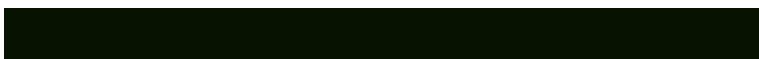
30.6365, 0.3054, 0.4078



8.0298, 0.3175, 0.3518



21.3000, 0.3264, 0.5790



0.4748, 0.3567, 0.5550

Inverse Universe

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



20.1603, 0.2926, 0.2502



31.9562, 0.2871, 0.2322



21.9514, 0.3209, 0.2612



7.0572, 0.3075, 0.3064



4.0313, 0.2230, 0.1002



0.1113, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 32.0195, 0.3277, 0.4103 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 32.0195, 0.3277, 0.4103 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 32.0195, 0.3277, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 32.0195, 0.3277, 0.4103.



This preview shows how white text looks on a background with the Yxy color 32.0195, 0.3277, 0.4103.

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

32.0195, 0.3277, 0.4103

Protanopia

31.8859, 0.3680, 0.3955

Deuteranopia

31.8317, 0.3804, 0.3736



Tritanopia

31.8954, 0.2889, 0.3105

Trichromacy



Original Color

32.0195, 0.3277, 0.4103

Protanomaly

31.6750, 0.3528, 0.4014

Deuteranomaly

31.4808, 0.3604, 0.3855

Tritanomaly

31.9636, 0.3033, 0.3465

Monochromacy



Original Color

32.0195, 0.3277, 0.4103

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3714, 0.3194, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0195, 0.3277, 0.4103 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, 162, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 162, 113)  
}
```

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, 162, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 162, 113) }
```

Border

The CSS property to change the border of an element to Yxy 32.0195, 0.3277, 0.4103 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, 162, 113) }
```

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

```
.border{ border-color:rgb(133, 162, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 162, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 162, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 162, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 162,  
113) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.0195, 0.3277, 0.4103$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 162, 113) }
```

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

```
.background{ background-color: rgb(133,  
162, 113) }
```

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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