

Converting Colors

$Yxy(31.9130, 0.3154, 0.3837)$

Have a look what the booklet for
Yxy(31.9130, 0.3154, 0.3837)
contains.

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Color

Yxy(32.0086, 0.3158, 0.3850)

Conversions

Conversions Part 1

Format	Color
Hex	85A17F
RGB	133, 161, 127
RGB Percent	52%, 63%, 50%
CMY	0.4782, 0.3687, 0.5019
CMYK	0.17, 0.00, 0.21, 0.37
HSL	109°, 15%, 56%
HSV	109°, 21%, 63%
XYZ	26.2554, 32.0086, 24.8753
YIQ	148.7520, -5.7740, -16.5100

Conversions

Conversions Part 2

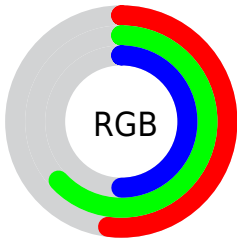
Format	Color
RYB	127, 161, 155
Decimal	8757631
CIELab	63.35, -16.39, 14.55
CIELCh	63, 21.915, 138.414
Yxy	32.0086, 0.3158, 0.3850
Android (android.graphics.Color)	4286947711 (0xFF85A17F)
YUV	148.7520, -10.7237, -13.8145
Hunter-Lab	56.5761, -16.1715, 13.5348

Details

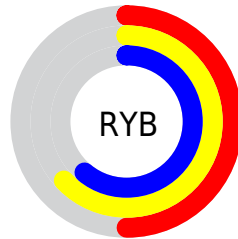
The Yxy color **32.0086, 0.3158, 0.3850** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7163, 0.3083, 0.2768**, and the grayscale version is **29.9978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8461, 0.3150, 0.3732**, and **13.3263, 0.3158, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **30.6124, 0.3168, 0.4157**, and if you desaturate by 10%, it is **33.6103, 0.3144, 0.3569**.

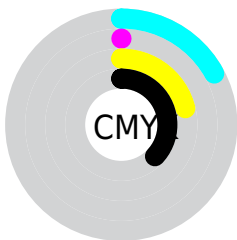
Distribution



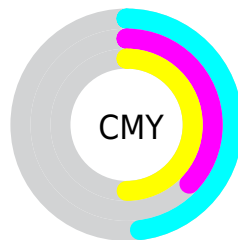
- Red (52%)
- Green (63%)
- Blue (50%)



- Red (50%)
- Yellow (63%)
- Blue (61%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (37%)





- Cyan (48%)
- Magenta (37%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0086, 0.3158, 0.3850 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 32.0086, 0.3158, 0.3850 by changing the saturation by 10% instead.


 32.0086, 0.3158,
0.3850


 32.0086, 0.3158,
0.3850


311.1584, 0.3146,
0.3544

 21.3681, 0.3159,
0.3936


 62.8246, 0.3155,
0.3732

 13.3933, 0.3159,
0.4054


 83.7688, 0.3153,
0.3689

 7.6999, 0.3156,
0.4224


 108.9164, 0.3152,
0.3655

 3.9036, 0.3144,
0.4487

138.6517, 0.3151,
0.3625

 1.6198, 0.3146,
0.5019

173.3592, 0.3149,
0.3600

 0.3709, 0.0000,
1.0000

213.4232, 0.3148,

 0.0000, 0.0000,

0.3579

0.0000

259.2282, 0.3147,
0.3560

■ 32.0086, 0.3158,
0.3850

■ 32.0086, 0.3158,
0.3850

■ 30.6124, 0.3168,
0.4157

■ 33.6103, 0.3144,
0.3569

■ 29.4095, 0.3174,
0.4484

■ 35.4212, 0.3129,
0.3316

■ 28.3924, 0.3173,
0.4819

■ 37.4500, 0.3112,
0.3093

■ 27.5517, 0.3164,
0.5143

■ 39.7036, 0.3096,
0.2896

■ 26.8770, 0.3146,
0.5437

■ 42.1886, 0.3079,
0.2724

■ 26.3570, 0.3120,
0.5678

■ 44.9116, 0.3063,
0.2575

■ 25.9785, 0.3088,
0.5849

■ 47.8785, 0.3048,
0.2444

■ 25.7426, 0.3061,
0.5952

■ 51.0437, 0.3039,
0.2337

■ 53.4311, 0.3147,
0.2368

Harmonies

Analogous

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



32.0086, 0.3495, 0.3909



32.0086, 0.3158, 0.3850



32.0086, 0.2825, 0.3611

Triad

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



32.0086, 0.3158, 0.3850



32.0086, 0.2539, 0.2778



32.0086, 0.3700, 0.3261

Complementary

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



32.0086, 0.3158, 0.3850



24.7163, 0.3083, 0.2768

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.



32.0086, 0.3418, 0.2996



32.0086, 0.3158, 0.3850



32.0086, 0.2747, 0.2722

Square

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



32.0086, 0.3158, 0.3850



32.0086, 0.2481, 0.2973



32.0086, 0.3065, 0.2803



32.0086, 0.3820, 0.3547

Rectangle

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



32.0086, 0.3158, 0.3850



32.0086, 0.2649, 0.3392



32.0086, 0.3065, 0.2803



32.0086, 0.3620, 0.3168

Sweetspot

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



32.0100, 0.3158, 0.3850



61.7738, 0.3137, 0.3439



32.4715, 0.3455, 0.3714



13.5056, 0.3138, 0.3454



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.0100, 0.3158, 0.3850



56.1994, 0.3163, 0.3981



31.8272, 0.3009, 0.3674



7.9529, 0.3142, 0.3520



20.5759, 0.3065, 0.5948



0.4483, 0.3273, 0.5784

Inverse Universe

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



24.7163, 0.3083, 0.2768



40.9143, 0.3072, 0.2656



24.9661, 0.3269, 0.2934



7.1381, 0.3110, 0.3067



6.0110, 0.2771, 0.1300



0.1420, 0.2940, 0.1393

Previews

White Background



This preview shows how the Yxy color 32.0086, 0.3158, 0.3850 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 32.0086, 0.3158, 0.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

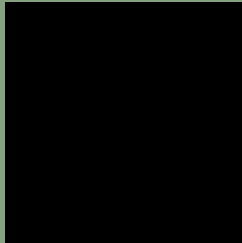
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0086, 0.3158, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 32.0086, 0.3158, 0.3850.



This preview shows how white text looks on a background with the Yxy color 32.0086, 0.3158, 0.3850.

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

32.0086, 0.3158, 0.3850

Protanopia

31.8939, 0.3510, 0.3749

Deuteranopia

31.7092, 0.3612, 0.3539



Tritanopia

31.8453, 0.2872, 0.3089

Trichromacy



Original Color

32.0086, 0.3158, 0.3850

Protanomaly

31.8115, 0.3375, 0.3795

Deuteranomaly

31.5150, 0.3433, 0.3644

Tritanomaly

31.7322, 0.2972, 0.3353

Monochromacy



Original Color

32.0086, 0.3158, 0.3850

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5452, 0.3138, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0086, 0.3158, 0.3850 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, 161, 127)` looks like.

```
.text, #text, p{  
    color:rgb(133, 161, 127)  
}
```

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, 161, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 161, 127) }
```

Border

The CSS property to change the border of an element to Yxy 32.0086, 0.3158, 0.3850 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, 161, 127) }
```

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

```
.border{ border-color:rgb(133, 161, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 161, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 161, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 161, 127);  
box-shadow:4px 4px 4px 4px rgb(133, 161,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0086, 0.3158, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 161, 127) }
```

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

```
.background{ background-color: rgb(133,  
161, 127) }
```

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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