

Converting Colors

$Yxy(32.4416, 0.2811, 0.3873)$

Have a look what the booklet for
Yxy(32.4416, 0.2811, 0.3873)
contains.

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Color

Yxy(32.4072, 0.2805, 0.3864)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 63A887 |
| RGB | 99, 168, 135 |
| RGB Percent | 39%, 66%, 53% |
| CMY | 0.6116, 0.3412, 0.4706 |
| CMYK | 0.41, 0.00, 0.20, 0.34 |
| HSL | 151°, 28%, 52% |
| HSV | 151°, 41%, 66% |
| XYZ | 23.5254, 32.4072, 27.9370 |
| YIQ | 143.6070, -30.5310, -24.8910 |

Conversions

Conversions Part 2

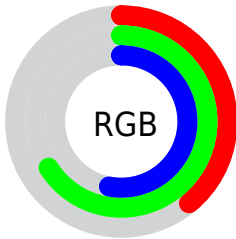
| Format | Color |
|-------------------------------------|---|
| RYB | 99, 144, 168 |
| Decimal | 6531207 |
| CIELab | 63.68, -29.51, 10.29 |
| CIELCh | 64, 31.249, 160.778 |
| Yxy | 32.4072, 0.2805, 0.3864 |
| Android (android.graphics.Color) | 4284721287 (0xFF63A887) |
| YUV | 143.6070, -4.2433, -39.1203 |
| Hunter-Lab | 56.9273, -25.8571, 10.7527 |

Details

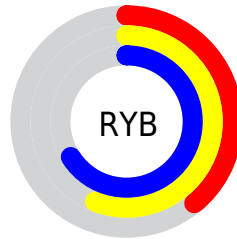
The Yxy color $32.4072, 0.2805, 0.3864$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.9249, 0.3650, 0.2787$, and the grayscale version is $27.7553, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.7145, 0.2877, 0.3750$, and $13.4982, 0.2686, 0.4075$ is the 20% darker color. If you saturate the color by 10%, you get $31.3401, 0.2747, 0.4035$, and if you desaturate by 10%, it is $33.6909, 0.2874, 0.3704$.

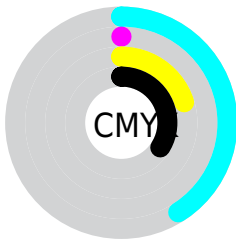
Distribution



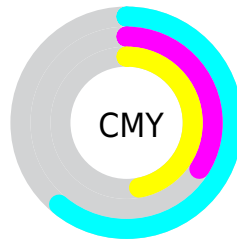
- Red (39%)
- Green (66%)
- Blue (53%)



- Red (39%)
- Yellow (56%)
- Blue (66%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)




- Cyan (61%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4072, 0.2805, 0.3864 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 32.4072, 0.2805, 0.3864 by changing the saturation by 10% instead.


 32.4072, 0.2805,
0.3864


 32.4072, 0.2805,
0.3864

312.9700, 0.2981,
0.3549


 21.6727, 0.2755,
0.3954


 63.4489, 0.2873,
0.3742


 13.6166, 0.2688,
0.4076


 84.5249, 0.2897,
0.3698

 7.8545, 0.2591,
0.4254


 109.8169, 0.2917,
0.3662

 4.0020, 0.2441,
0.4533

 139.7092, 0.2934,
0.3632

 1.6747, 0.2163,
0.5040

174.5863, 0.2948,
0.3607

 0.4072, 0.0000,
1.0000

214.8325, 0.2961,

 0.0000, 0.0000,

0.3585

0.0000

260.8323, 0.2971,
0.3565

■ 32.4072, 0.2805,
0.3864

■ 32.4072, 0.2805,
0.3864

■ 31.3401, 0.2747,
0.4035

■ 33.6909, 0.2874,
0.3704

■ 30.4730, 0.2703,
0.4215

■ 35.1988, 0.2951,
0.3556

■ 29.7931, 0.2675,
0.4400


■ 36.9430, 0.3034,
0.3422

■ 29.2845, 0.2667,
0.4586

■ 38.9336, 0.3118,
0.3302


■ 28.9283, 0.2679,
0.4766


■ 41.1800, 0.3204,
0.3194

 28.7016, 0.2701,
0.4923

 43.6911, 0.3288,
0.3099

 46.4754, 0.3371,
0.3016

 49.5411, 0.3451,
0.2942

 52.8959, 0.3527,
0.2878

Harmonies

Analogous

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



32.4072, 0.3284, 0.4152



32.4072, 0.2805, 0.3864



32.4072, 0.2432, 0.3388

Triad

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



32.4072, 0.2805, 0.3864



32.4072, 0.2503, 0.2504



32.4072, 0.4098, 0.3530

Complementary

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



32.4072, 0.2805, 0.3864



18.9249, 0.3650, 0.2787

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.



32.4072, 0.3859, 0.3140



32.4072, 0.2805, 0.3864



32.4072, 0.2910, 0.2575

Square

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



32.4072, 0.2805, 0.3864



32.4072, 0.2271, 0.2618



32.4072, 0.3410, 0.2802



32.4072, 0.4048, 0.3898

Rectangle

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



32.4072, 0.2805, 0.3864



32.4072, 0.2284, 0.3068



32.4072, 0.3410, 0.2802



32.4072, 0.4049, 0.3399

Sweetspot

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



32.4085, 0.2805, 0.3864



66.6457, 0.3024, 0.3437



33.8413, 0.3370, 0.4414



14.4373, 0.3013, 0.3453



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.



32.4085, 0.2805, 0.3864



57.0767, 0.2753, 0.4015



33.0638, 0.2572, 0.3270



8.4706, 0.3048, 0.3400



21.6860, 0.2696, 0.4906



0.5379, 0.2532, 0.4316

Inverse Universe

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



18.9249, 0.3650, 0.2787



29.3143, 0.3818, 0.2683



18.3790, 0.4139, 0.3311



7.5999, 0.3214, 0.3182



6.7387, 0.5012, 0.2535



0.1743, 0.4270, 0.2126

Previews

White Background



This preview shows how the Yxy color 32.4072, 0.2805, 0.3864 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 32.4072, 0.2805, 0.3864 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 32.4072, 0.2805, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 32.4072, 0.2805, 0.3864.

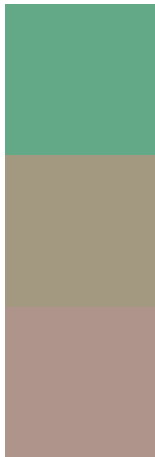


This preview shows how white text looks on a background with the Yxy color 32.4072, 0.2805, 0.3864.

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

32.4072, 0.2805, 0.3864

Protanopia

32.0224, 0.3461, 0.3671

Deuteranopia

32.0426, 0.3493, 0.3422



Tritanopia

32.2265, 0.2574, 0.3065

Trichromacy



Original Color

32.4072, 0.2805, 0.3864

Protanomaly

31.5814, 0.3184, 0.3729

Deuteranomaly

31.4807, 0.3204, 0.3559

Tritanomaly

32.1274, 0.2653, 0.3338

Monochromacy



Original Color

32.4072, 0.2805, 0.3864

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2947, 0.2991, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4072, 0.2805, 0.3864 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(99, 168, 135) looks like.

```
.text, #text, p{  
    color:rgb(99, 168, 135)  
}
```

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(99, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 168, 135) }
```

Border

The CSS property to change the border of an element to Yxy 32.4072, 0.2805, 0.3864 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(99, 168, 135) }
```

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

```
.border{ border-color:rgb(99, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(99, 168,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4072, 0.2805, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 168, 135) }
```

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

```
.background{ background-color: rgb(99, 168,  
135) }
```

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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