

Converting Colors

$Yxy(32.1909, 0.2846, 0.3894)$

Have a look what the booklet for
Yxy(32.1909, 0.2846, 0.3894)
contains.

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Color

Yxy(32.1282, 0.2848, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	66A784
RGB	102, 167, 132
RGB Percent	40%, 65%, 52%
CMY	0.6000, 0.3451, 0.4824
CMYK	0.39, 0.00, 0.21, 0.35
HSL	148°, 27%, 53%
HSV	148°, 39%, 65%
XYZ	23.4618, 32.1282, 26.7900
YIQ	143.5750, -27.5050, -24.6650

Conversions

Conversions Part 2

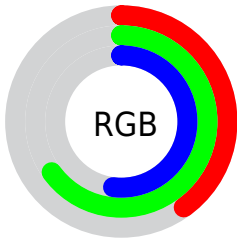
Format	Color
RYB	102, 146, 167
Decimal	6727556
CIELab	63.45, -28.80, 11.66
CIElCh	63, 31.071, 157.966
Yxy	32.1282, 0.2848, 0.3900
Android (android.graphics.Color)	4284917636 (0xFF66A784)
YUV	143.5750, -5.7065, -36.4613
Hunter-Lab	56.6817, -25.3080, 11.6545

Details

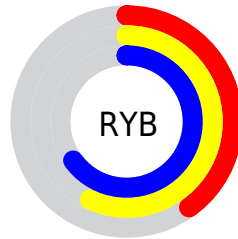
The Yxy color **32.1282, 0.2848, 0.3900** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5243, 0.3558, 0.2756**, and the grayscale version is **27.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7139, 0.2906, 0.3765**, and **13.5488, 0.2748, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **31.0144, 0.2793, 0.4092**, and if you desaturate by 10%, it is **33.4624, 0.2913, 0.3721**.

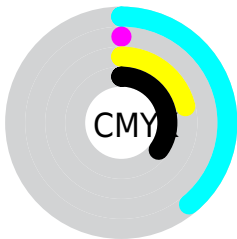
Distribution



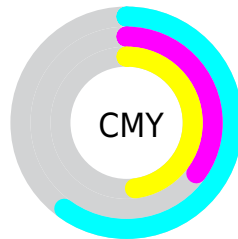
- Red (40%)
- Green (65%)
- Blue (52%)



- Red (40%)
- Yellow (57%)
- Blue (65%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (35%)




- Cyan (60%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1282, 0.2848, 0.3900 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 32.1282, 0.2848, 0.3900 by changing the saturation by 10% instead.


 32.1282, 0.2848,
0.3900


 32.1282, 0.2848,
0.3900


311.7028, 0.3002,
0.3564


 21.4594, 0.2804,
0.3996


 63.0120, 0.2908,
0.3769


 13.4602, 0.2743,
0.4128


 83.9959, 0.2929,
0.3723

 7.7462, 0.2656,
0.4319


 109.1868, 0.2947,
0.3685

 3.9330, 0.2517,
0.4621

 138.9694, 0.2961,
0.3653

 1.6362, 0.2257,
0.5187

173.7278, 0.2974,
0.3625

 0.3818, 0.0000,
1.0000

213.8466, 0.2985,

 0.0000, 0.0000,

0.3602

0.0000

259.7102, 0.2994,
0.3582

■ 32.1282, 0.2848,
0.3900

■ 32.1282, 0.2848,
0.3900

■ 31.0144, 0.2793,
0.4092

■ 33.4624, 0.2913,
0.3721

■ 30.1047, 0.2751,
0.4295

■ 35.0246, 0.2984,
0.3557

■ 29.3866, 0.2724,
0.4503


■ 36.8265, 0.3059,
0.3409


■ 28.8448, 0.2716,
0.4711


■ 38.8780, 0.3135,
0.3277


■ 28.4611, 0.2727,
0.4912


■ 41.1887, 0.3212,
0.3159


 28.2013, 0.2753,
0.5102

 43.7671, 0.3287,
0.3055

 28.1759, 0.2756,
0.5122

 46.6219, 0.3360,
0.2964

 49.7611, 0.3430,
0.2884

 53.1923, 0.3497,
0.2815

Harmonies

Analogous

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



32.1282, 0.3329, 0.4162



32.1282, 0.2848, 0.3900



32.1282, 0.2461, 0.3435

Triad

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



32.1282, 0.2848, 0.3900



32.1282, 0.2475, 0.2508



32.1282, 0.4084, 0.3493

Complementary

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



32.1282, 0.2848, 0.3900



19.5243, 0.3558, 0.2756

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.



32.1282, 0.3821, 0.3106



32.1282, 0.2848, 0.3900



32.1282, 0.2867, 0.2563

Square

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



32.1282, 0.2848, 0.3900



32.1282, 0.2262, 0.2641



32.1282, 0.3362, 0.2776



32.1282, 0.4062, 0.3865

Rectangle

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



32.1282, 0.2848, 0.3900



32.1282, 0.2302, 0.3111



32.1282, 0.3362, 0.2776



32.1282, 0.4026, 0.3362

Sweetspot

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



32.1295, 0.2848, 0.3900



64.8390, 0.3034, 0.3456



33.9806, 0.3402, 0.4336



14.4191, 0.3025, 0.3474



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.



32.1295, 0.2848, 0.3900



55.7378, 0.2798, 0.4071



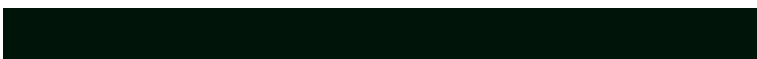
33.1354, 0.2620, 0.3342



8.4632, 0.3056, 0.3414



21.5687, 0.2751, 0.5105



0.5352, 0.2571, 0.4455

Inverse Universe

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



19.5243, 0.3558, 0.2756



29.8398, 0.3701, 0.2636



18.7428, 0.4021, 0.3242



7.6073, 0.3205, 0.3169



6.8608, 0.4762, 0.2397



0.1771, 0.4124, 0.2046

Previews

White Background



This preview shows how the Yxy color 32.1282, 0.2848, 0.3900 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 32.1282, 0.2848, 0.3900 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 32.1282, 0.2848, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 32.1282, 0.2848, 0.3900.

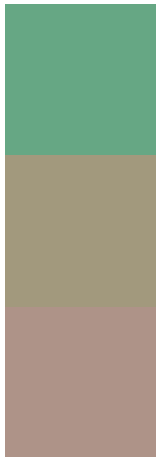


This preview shows how white text looks on a background with the Yxy color 32.1282, 0.2848, 0.3900.

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

32.1282, 0.2848, 0.3900

Protanopia

31.9445, 0.3491, 0.3718

Deuteranopia

31.6437, 0.3527, 0.3452



Tritanopia

31.9905, 0.2606, 0.3080

Trichromacy



Original Color

32.1282, 0.2848, 0.3900

Protanomaly

31.5877, 0.3221, 0.3777

Deuteranomaly

31.1564, 0.3244, 0.3592

Tritanomaly

31.8857, 0.2687, 0.3355

Monochromacy



Original Color

32.1282, 0.2848, 0.3900

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0170, 0.3009, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1282, 0.2848, 0.3900 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(102, 167, 132)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 132)  
}
```

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(102, 167, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 132) }
```

Border

The CSS property to change the border of an element to Yxy 32.1282, 0.2848, 0.3900 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(102, 167, 132) }
```

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

```
.border{ border-color:rgb(102, 167, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 167, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 132);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1282, 0.2848, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 132) }
```

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

```
.background{ background-color: rgb(102,  
167, 132) }
```

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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