Converting Colors

Yxy(32.2396, 0.2431, 0.3059)

Have a look what the booklet for Yxy(32.2396, 0.2431, 0.3059) contains.

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Color

Yxy(32.2396, 0.2431, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	58A5B3
RGB	88, 165, 179
RGB Percent	35%, 65%, 70%
CMY	0.6547, 0.3530, 0.2979
CMYK	0.51, 0.08, 0.00, 0.30
HSL	189°, 37%, 52%
HSV	189°, 51%, 70%
XYZ	25.6209, 32.2396, 47.5321
YIQ	143.5730, -50.3860, -11.9700

Conversions

Conversions Part 2

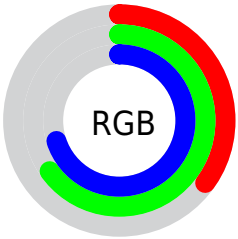
Format	Color
RYB	88, 130, 179
Decimal	5809587
CIELab	63.54, -19.86, -14.58
CIELCh	64, 24.635, 216.288
Yxy	32.2396, 0.2431, 0.3059
Android (android.graphics.Color)	4283999667 (0xFF58A5B3)
YUV	143.5730, 17.4655, -48.7375
Hunter-Lab	56.7799, -18.8199, -9.8874

Details

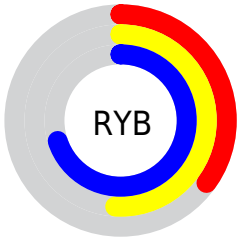
The Yxy color 32.2396, 0.2431, 0.3059 is a dark color, and the websafe version is hex 669999. A complement of this color would be 19.8090, 0.4432, 0.3496, and the grayscale version is 27.6582, 0.3127, 0.3290.

A 20% lighter version of the original color is 63.1138, 0.2563, 0.3105, and 13.5233, 0.2218, 0.2978 is the 20% darker color. If you saturate the color by 10%, you get 30.4862, 0.2331, 0.3006, and if you desaturate by 10%, it is 34.2315, 0.2547, 0.3110.

Distribution

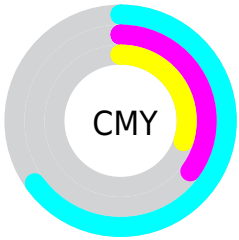


- Red (35%)
- Green (65%)
- Blue (70%)



- Red (35%)
- Yellow (51%)
- Blue (70%)

- Cyan (51%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)



- Cyan (65%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2396, 0.2431, 0.3059 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 32.2396, 0.2431, 0.3059 by changing the saturation by 10% instead.

32.2396, 0.2431, 0.3059

32.2396, 0.2431, 0.3059

312.2093, 0.2791, 0.3190

21.5446, 0.2338, 0.3021

63.1865, 0.2565, 0.3110

13.5226, 0.2216, 0.2969

84.2072, 0.2614, 0.3128

7.7894, 0.2052, 0.2893

109.4386, 0.2655, 0.3143

3.9605, 0.1819, 0.2776

139.2650, 0.2691, 0.3156

1.6515, 0.1470, 0.2572

174.0709, 0.2721, 0.3166

0.3919, 0.0000, 0.2038

214.2406, 0.2747,

0.0000, 0.0000,

0.3175

0.0000

260.1586, 0.2771, 0.3183

32.2396, 0.2431, 0.3059

32.2396, 0.2431, 0.3059

30.4862, 0.2331, 0.3006

34.2315, 0.2547, 0.3110

28.9516, 0.2248, 0.2952

36.4726, 0.2677, 0.3159

27.6184, 0.2184, 0.2897

38.9776, 0.2816, 0.3205

26.4652, 0.2139, 0.2843

41.7586, 0.2963, 0.3248

25.5237, 0.2109, 0.2794

44.8271, 0.3115, 0.3287

48.1939, 0.3268, 0.3322

51.8691, 0.3420, 0.3354

55.8624, 0.3570, 0.3382

60.1830, 0.3716, 0.3407

Harmonies

Analogous

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

32.2396, 0.2610, 0.3430

32.2396, 0.2431, 0.3059

32.2396, 0.2425, 0.2786

Triad

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

32.2396, 0.2431, 0.3059

32.2396, 0.3294, 0.2863

32.2396, 0.3666, 0.3950

Complementary

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

32.2396, 0.2431, 0.3059

19.8090, 0.4432, 0.3496

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.

32.2396, 0.3877, 0.3745

32.2396, 0.2431, 0.3059

32.2396, 0.3659, 0.3130

Square

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

32.2396, 0.2431, 0.3059

32.2396, 0.2902, 0.2695

32.2396, 0.3877, 0.3445

32.2396, 0.3317, 0.3976

Rectangle

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

32.2396, 0.2431, 0.3059

32.2396, 0.2518, 0.2686

32.2396, 0.3877, 0.3445

32.2396, 0.3756, 0.3897

Sweetspot

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

32.2408, 0.2431, 0.3059

72.4969, 0.2897, 0.3229

35.2796, 0.2968, 0.4646

15.8329, 0.2867, 0.3221

91.1408, 0.3127, 0.3290

17.8868, 0.3127, 0.3290

Same Dimension

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

32.2408, 0.2431, 0.3059

54.2313, 0.2320, 0.2999

18.7384, 0.2277, 0.2261

9.4039, 0.2986, 0.3254

18.1081, 0.2111, 0.2800

0.6298, 0.2153, 0.2950

Inverse Universe

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

19.2897, 0.3360, 0.2244

29.2253, 0.3425, 0.2057

31.2155, 0.4073, 0.4125

8.6238, 0.3160, 0.3100

8.3682, 0.3635, 0.1776

0.2694, 0.3499, 0.1701

Previews

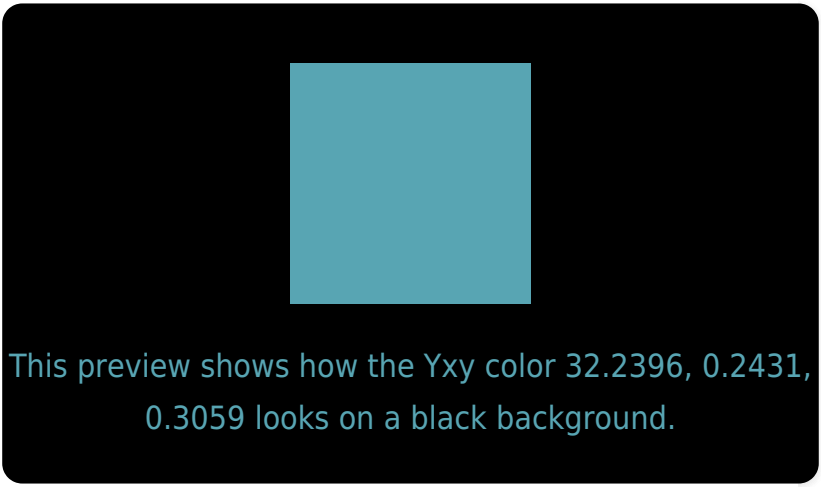
White Background

This preview shows how the Yxy color 32.2396, 0.2431, 0.3059 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

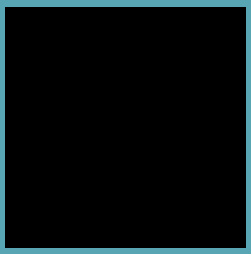


Color Contrast Check

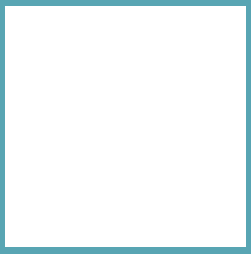
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 32.2396, 0.2431, 0.3059 Background



This preview shows how black text looks on a background with the Yxy color 32.2396, 0.2431, 0.3059.



This preview shows how white text looks on a background with the Yxy color 32.2396, 0.2431, 0.3059.

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

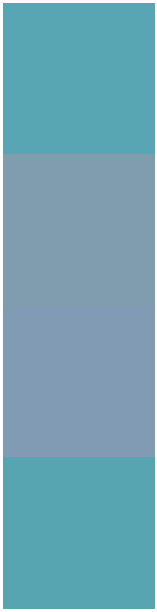
Original Color
32.2396, 0.2431, 0.3059

Protanopia
31.9761, 0.2947, 0.3006

Deuteranopia
32.0601, 0.2880, 0.2826

Tritanopia
32.1993, 0.2437, 0.3075

Trichromacy



Original Color
32.2396, 0.2431, 0.3059

Protanomaly
31.7591, 0.2723, 0.3024

Deuteranomaly
31.5247, 0.2684, 0.2891

Tritanomaly
32.1993, 0.2437, 0.3075

Monochromacy

Original Color
32.2396, 0.2431, 0.3059

Achromatopsia
27.8894, 0.3127, 0.3290

Achromatomaly
29.1759, 0.2817, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2396, 0.2431, 0.3059 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(88, 165, 179) looks like.

```
.text, #text, p{
    color:rgb(88, 165, 179)
}
```

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(88, 165, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 179) }
```

Border

The CSS property to change the border of an element to Yxy 32.2396, 0.2431, 0.3059 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(88, 165, 179) }
```

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

```
.border{ border-color:rgb(88, 165, 179) }
```

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

Here you see how a box with a 4 pixel rgb(88, 165, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(88, 165, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(88, 165, 179); box-shadow:4px 4px 4px 4px rgb(88, 165, 179) }
```

Background

The CSS property to change the background color of an element to Yxy 32.2396, 0.2431, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(88, 165, 179) }
```

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

```
.background{ background-color:rgb(88, 165,
179) }
```

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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