

Converting Colors

$Y_{xy}(32.3700, 0.2821, 0.4151)$

Have a look what the booklet for
Yxy(32.3700, 0.2821, 0.4151)
contains.

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Color

Yxy(32.2293, 0.2823, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	58AA7A
RGB	88, 170, 122
RGB Percent	35%, 67%, 48%
CMY	0.6549, 0.3333, 0.5215
CMYK	0.48, 0.00, 0.28, 0.33
HSL	145°, 33%, 51%
HSV	145°, 48%, 67%
XYZ	21.9131, 32.2293, 23.4811
YIQ	140.0100, -33.4640, -32.3120

Conversions

Conversions Part 2

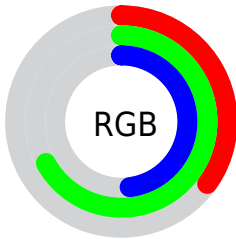
Format	Color
RYB	88, 146, 170
Decimal	5810810
CIELab	63.53, -36.22, 17.19
CIElCh	64, 40.091, 154.613
Yxy	32.2293, 0.2823, 0.4152
Android (android.graphics.Color)	4284000890 (0xFF58AA7A)
YUV	140.0100, -8.8789, -45.6128
Hunter-Lab	56.7709, -30.4493, 15.2165

Details

The Yxy color **32.2293, 0.2823, 0.4152** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.3050, 0.3650, 0.2577**, and the grayscale version is **26.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2386, 0.2887, 0.3961**, and **13.4949, 0.2700, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **31.2612, 0.2784, 0.4372**, and if you desaturate by 10%, it is **33.4188, 0.2874, 0.3943**.

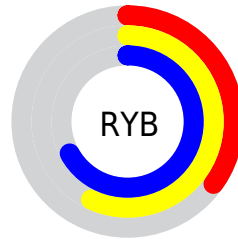
Distribution



Red (35%)

Green (67%)

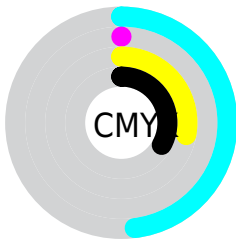
Blue (48%)



Red (35%)

Yellow (57%)

Blue (67%)

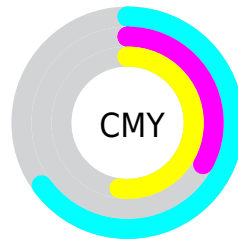


Cyan (48%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (65%)


Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2293, 0.2823, 0.4152 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 32.2293, 0.2823, 0.4152 by changing the saturation by 10% instead.


 32.2293, 0.2823,
0.4152


 32.2293, 0.2823,
0.4152


312.1625, 0.2996,
0.3671


 21.5367, 0.2772,
0.4291


 63.1704, 0.2892,
0.3964

 13.5169, 0.2700,
0.4483


 84.1877, 0.2916,
0.3897

 7.7854, 0.2592,
0.4764


 109.4153, 0.2935,
0.3843

 3.9580, 0.2418,
0.5210

 139.2377, 0.2951,
0.3797

 1.6501, 0.2060,
0.6300

174.0392, 0.2965,
0.3759

 0.3910, 0.0000,
1.0000

214.2042, 0.2977,

 0.0000, 0.0000,

0.3725

0.0000

260.1172, 0.2987,
0.3697

■ 32.2293, 0.2823,
0.4152

■ 32.2293, 0.2823,
0.4152

■ 31.2612, 0.2784,
0.4372

■ 33.4188, 0.2874,
0.3943

■ 30.4960, 0.2760,
0.4599

■ 34.8387, 0.2934,
0.3748

■ 29.9190, 0.2753,
0.4823


■ 36.5024, 0.3000,
0.3570

■ 29.5112, 0.2765,
0.5038


■ 38.4210, 0.3069,
0.3409

■ 29.2407, 0.2793,
0.5238

■ 40.6050, 0.3140,
0.3266

 29.1985, 0.2798,
0.5271

 43.0642, 0.3209,
0.3139

 45.8080, 0.3277,
0.3028

 48.8452, 0.3343,
0.2930

 52.1844, 0.3406,
0.2845

Harmonies

Analogous

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



32.2293, 0.3437, 0.4444



32.2293, 0.2823, 0.4152



32.2293, 0.2322, 0.3543

Triad

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



32.2293, 0.2823, 0.4152



32.2293, 0.2261, 0.2313



32.2293, 0.4342, 0.3468

Complementary

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



32.2293, 0.2823, 0.4152



17.3050, 0.3650, 0.2577

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.



32.2293, 0.3965, 0.2997



32.2293, 0.2823, 0.4152



32.2293, 0.2724, 0.2363

Square

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



32.2293, 0.2823, 0.4152



32.2293, 0.2029, 0.2491



32.2293, 0.3349, 0.2607



32.2293, 0.4343, 0.3945

Rectangle

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



32.2293, 0.2823, 0.4152



32.2293, 0.2110, 0.3110



32.2293, 0.3349, 0.2607



32.2293, 0.4255, 0.3306

Sweetspot

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



32.2306, 0.2823, 0.4152



67.5560, 0.3028, 0.3504



34.7905, 0.3493, 0.4588



14.9065, 0.3013, 0.3538



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2306, 0.2823, 0.4152



56.5913, 0.2781, 0.4391



33.4268, 0.2553, 0.3426



8.4574, 0.3062, 0.3425



21.4890, 0.2792, 0.5251



0.5331, 0.2603, 0.4570

Inverse Universe

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



17.3050, 0.3650, 0.2577



26.2113, 0.3825, 0.2438



16.3758, 0.4294, 0.3169



7.6132, 0.3198, 0.3159



6.9677, 0.4571, 0.2292



0.1794, 0.4014, 0.1985

Previews

White Background



This preview shows how the Yxy color 32.2293, 0.2823, 0.4152 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 32.2293, 0.2823, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

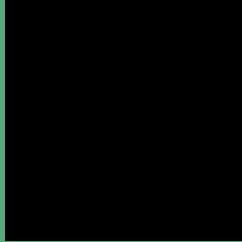
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2293, 0.2823, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 32.2293, 0.2823, 0.4152.



This preview shows how white text looks on a background with the Yxy color 32.2293, 0.2823, 0.4152.

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

32.2293, 0.2823, 0.4152

Protanopia

31.8899, 0.3621, 0.3883

Deuteranopia

31.7469, 0.3655, 0.3581



Tritanopia

32.1538, 0.2529, 0.3078

Trichromacy



Original Color

32.2293, 0.2823, 0.4152

Protanomaly

31.3149, 0.3278, 0.3984

Deuteranomaly

30.9431, 0.3305, 0.3774

Tritanomaly

32.2141, 0.2637, 0.3458

Monochromacy



Original Color

32.2293, 0.2823, 0.4152

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.8916, 0.2994, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2293, 0.2823, 0.4152 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, 170, 122)` looks like.

```
.text, #text, p{  
  color:rgb(88, 170, 122)  
}
```

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, 170, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 170, 122) }
```

Border

The CSS property to change the border of an element to Yxy 32.2293, 0.2823, 0.4152 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, 170, 122) }
```

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

```
.border{ border-color:rgb(88, 170, 122) }
```

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

Here you see how a box with a 4 pixel rgb(88, 170, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 170, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 170, 122);  
box-shadow:4px 4px 4px 4px rgb(88, 170,  
122) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.2293, 0.2823, 0.4152$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 170, 122) }
```

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

```
.background{ background-color: rgb(88, 170,  
122) }
```

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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