

Converting Colors

$Yxy(32.9575, 0.2834, 0.4021)$

Have a look what the booklet for
Yxy(32.9575, 0.2834, 0.4021)
contains.

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Color

Yxy(32.8212, 0.2829, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	60AA81
RGB	96, 170, 129
RGB Percent	38%, 67%, 51%
CMY	0.6236, 0.3333, 0.4941
CMYK	0.44, 0.00, 0.24, 0.33
HSL	147°, 30%, 52%
HSV	147°, 44%, 67%
XYZ	23.1607, 32.8212, 25.8869
YIQ	143.2000, -30.9430, -28.4390

Conversions

Conversions Part 2

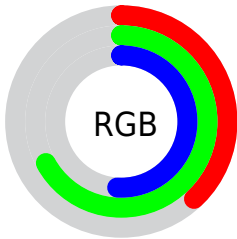
Format	Color
RYB	96, 147, 170
Decimal	6335105
CIELab	64.02, -32.59, 14.06
CIELCh	64, 35.497, 156.668
Yxy	32.8212, 0.2829, 0.4009
Android (android.graphics.Color)	4284525185 (0xFF60AA81)
YUV	143.2000, -7.0006, -41.3944
Hunter-Lab	57.2898, -28.0945, 13.3121

Details

The Yxy color **32.8212, 0.2829, 0.4009** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7161, 0.3614, 0.2676**, and the grayscale version is **27.5900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2541, 0.2894, 0.3857**, and **13.7940, 0.2709, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **31.7591, 0.2781, 0.4213**, and if you desaturate by 10%, it is **34.1085, 0.2888, 0.3818**.

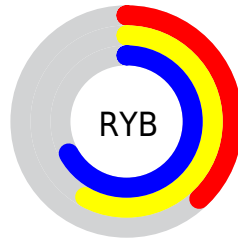
Distribution



Red (38%)

Green (67%)

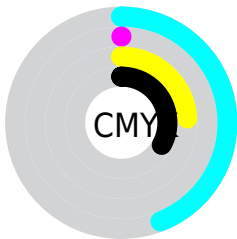
Blue (51%)



Red (38%)

Yellow (58%)

Blue (67%)

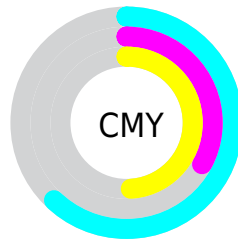


Cyan (44%)

Magenta (0%)

Yellow (24%)

Black (33%)



Cyan (62%)

Magenta (33%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8212, 0.2829, 0.4009 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 32.8212, 0.2829, 0.4009 by changing the saturation by 10% instead.


 32.8212, 0.2829,
0.4009


 32.8212, 0.2829,
0.4009


314.8433, 0.2995,
0.3612

 21.9895, 0.2781,
0.4123


 64.0963, 0.2894,
0.3854

 13.8492, 0.2715,
0.4279


 85.3085, 0.2917,
0.3800

 8.0158, 0.2619,
0.4505


 110.7496, 0.2936,
0.3754

 4.1051, 0.2465,
0.4862

 140.8041, 0.2951,
0.3717

 1.7325, 0.2178,
0.5556

175.8563, 0.2965,
0.3684

 0.4446, 0.0000,
1.0000

216.2906, 0.2976,

 0.0000, 0.0000,

0.3657

0.0000

262.4915, 0.2986,
0.3633

■ 32.8212, 0.2829,
0.4009

■ 32.8212, 0.2829,
0.4009

■ 31.7591, 0.2781,
0.4213

■ 34.1085, 0.2888,
0.3818

■ 30.9045, 0.2747,
0.4425

■ 35.6292, 0.2955,
0.3641

■ 30.2436, 0.2730,
0.4639


■ 37.3964, 0.3027,
0.3481


■ 29.7591, 0.2731,
0.4850


■ 39.4206, 0.3101,
0.3337


■ 29.4302, 0.2752,
0.5051


■ 41.7119, 0.3175,
0.3209

 29.2707, 0.2770,
0.5173

 44.2799, 0.3249,
0.3096

 47.1336, 0.3321,
0.2996

 50.2815, 0.3390,
0.2909

 53.7320, 0.3456,
0.2833

Harmonies

Analogous

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



32.8212, 0.3372, 0.4292



32.8212, 0.2829, 0.4009



32.8212, 0.2390, 0.3476

Triad

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



32.8212, 0.2829, 0.4009



32.8212, 0.2379, 0.2415



32.8212, 0.4207, 0.3489

Complementary

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



32.8212, 0.2829, 0.4009



18.7161, 0.3614, 0.2676

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.



32.8212, 0.3896, 0.3061



32.8212, 0.2829, 0.4009



32.8212, 0.2808, 0.2470

Square

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



32.8212, 0.2829, 0.4009



32.8212, 0.2153, 0.2567



32.8212, 0.3365, 0.2701



32.8212, 0.4191, 0.3912

Rectangle

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



32.8212, 0.2829, 0.4009



32.8212, 0.2208, 0.3103



32.8212, 0.3365, 0.2701



32.8212, 0.4138, 0.3343

Sweetspot

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



32.8225, 0.2829, 0.4009



67.9519, 0.3029, 0.3476



34.9928, 0.3441, 0.4466



14.9898, 0.3013, 0.3510



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.



32.8225, 0.2829, 0.4009



57.7242, 0.2783, 0.4200



33.9564, 0.2580, 0.3370



8.4613, 0.3058, 0.3418



21.5416, 0.2765, 0.5154



0.5345, 0.2581, 0.4492

Inverse Universe

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



18.7161, 0.3614, 0.2676



28.8316, 0.3769, 0.2553



17.8485, 0.4165, 0.3217



7.6092, 0.3203, 0.3166



6.8945, 0.4700, 0.2363



0.1778, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 32.8212, 0.2829, 0.4009 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 32.8212, 0.2829, 0.4009 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 32.8212, 0.2829, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 32.8212, 0.2829, 0.4009.



This preview shows how white text looks on a background with the Yxy color 32.8212, 0.2829, 0.4009.

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

32.8212, 0.2829, 0.4009

Protanopia

32.3842, 0.3548, 0.3790

Deuteranopia

32.5632, 0.3574, 0.3508



Tritanopia

32.8510, 0.2558, 0.3081

Trichromacy



Original Color

32.8212, 0.2829, 0.4009

Protanomaly

32.0858, 0.3244, 0.3876

Deuteranomaly

32.0758, 0.3267, 0.3685

Tritanomaly

32.6941, 0.2651, 0.3388

Monochromacy



Original Color

32.8212, 0.2829, 0.4009

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0531, 0.2998, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8212, 0.2829, 0.4009 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(96, 170, 129)` looks like.

```
.text, #text, p{  
    color:rgb(96, 170, 129)  
}
```

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(96, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 170, 129) }
```

Border

The CSS property to change the border of an element to Yxy 32.8212, 0.2829, 0.4009 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(96, 170, 129) }
```

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

```
.border{ border-color:rgb(96, 170, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 170, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(96, 170,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8212, 0.2829, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 170, 129) }
```

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

```
.background{ background-color: rgb(96, 170,  
129) }
```

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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