

Converting Colors

$Y_{xy}(32.2298, 0.2669, 0.4621)$

Have a look what the booklet for
Yxy(32.2298, 0.2669, 0.4621)
contains.

Yxy(32.3826, 0.2671, 0.4628)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3826, 0.2671, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	1FB06A
RGB	31, 176, 106
RGB Percent	12%, 69%, 42%
CMY	0.8788, 0.3098, 0.5843
CMYK	0.82, 0.00, 0.40, 0.31
HSL	151°, 70%, 41%
HSV	151°, 82%, 69%
XYZ	18.6893, 32.3826, 18.8992
YIQ	124.6650, -63.9500, -52.5100

Conversions

Conversions Part 2

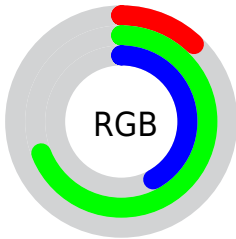
Format	Color
RYB	31, 127, 176
Decimal	2076778
CIELab	63.66, -52.60, 25.78
CIELCh	64, 58.578, 153.893
Yxy	32.3826, 0.2671, 0.4628
Android (android.graphics.Color)	4280266858 (0xFF1FB06A)
YUV	124.6650, -9.2018, -82.1442
Hunter-Lab	56.9057, -40.9611, 20.1430

Details

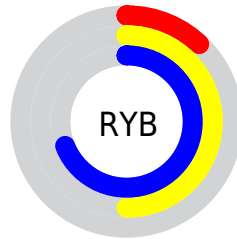
The Yxy color **32.3826, 0.2671, 0.4628** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.1435, 0.4585, 0.2464**, and the grayscale version is **20.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5712, 0.2778, 0.4330**, and **14.2246, 0.2730, 0.5028** is the 20% darker color. If you saturate the color by 10%, you get **32.0140, 0.2686, 0.4810**, and if you desaturate by 10%, it is **32.9203, 0.2676, 0.4441**.

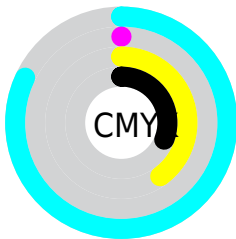
Distribution



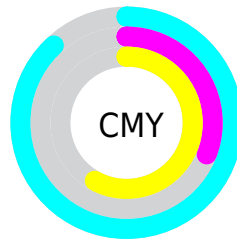
- Red (12%)
- Green (69%)
- Blue (42%)



- Red (12%)
- Yellow (50%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)




- Cyan (88%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3826, 0.2671, 0.4628 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 32.3826, 0.2671, 0.4628 by changing the saturation by 10% instead.


 32.3826, 0.2671,
0.4628


 32.3826, 0.2671,
0.4628


312.8584, 0.2939,
0.3868


 21.6539, 0.2588,
0.4853


 63.4104, 0.2779,
0.4327

 13.6028, 0.2470,
0.5164


 84.4783, 0.2817,
0.4222


 7.8449, 0.2292,
0.5619


 109.7614, 0.2847,
0.4136

 3.9959, 0.1998,
0.6335

 139.6441, 0.2872,
0.4064

 1.6713, 0.0839,
0.9161

 174.5107, 0.2892,
0.4004

 0.4049, 0.0000,
1.0000

 214.7457, 0.2910,

 0.0000, 0.0000,

0.3952

0.0000

260.7335, 0.2925,
0.3907

■ 32.3826, 0.2671,
0.4628

■ 32.3826, 0.2671,
0.4628

■ 32.0140, 0.2686,
0.4810

■ 32.9203, 0.2676,
0.4441

■ 31.8105, 0.2706,
0.4942

■ 33.6449, 0.2700,
0.4253

■ 34.5762, 0.2741,
0.4070

■ 35.7302, 0.2797,
0.3895

■ 37.1212, 0.2865,
0.3731

■ 38.7626, 0.2941,
0.3580

■ 40.6665, 0.3022,
0.3442

■ 42.8442, 0.3106,
0.3318

■ 45.3065, 0.3192,
0.3208

Harmonies

Analogous

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



32.3826, 0.3525, 0.5006



32.3826, 0.2671, 0.4628



32.3826, 0.1990, 0.3664

Triad

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



32.3826, 0.2671, 0.4628



32.3826, 0.1915, 0.1946



32.3826, 0.4883, 0.3453

Complementary

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



32.3826, 0.2671, 0.4628



11.1435, 0.4585, 0.2464

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.



32.3826, 0.4327, 0.2841



32.3826, 0.2671, 0.4628



32.3826, 0.2521, 0.2020

Square

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



32.3826, 0.2671, 0.4628



32.3826, 0.1624, 0.2159



32.3826, 0.3404, 0.2335



32.3826, 0.4847, 0.4104

Rectangle

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



32.3826, 0.2671, 0.4628



32.3826, 0.1717, 0.3005



32.3826, 0.3404, 0.2335



32.3826, 0.4760, 0.3242

Sweetspot

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



32.3839, 0.2671, 0.4628



69.3562, 0.2917, 0.3624



33.9208, 0.3422, 0.5490



14.8087, 0.2891, 0.3675



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.3839, 0.2671, 0.4628



57.6836, 0.2711, 0.4953



33.5382, 0.2270, 0.3246



9.5611, 0.3048, 0.3402



23.3496, 0.2701, 0.4924



0.7464, 0.2562, 0.4423

Inverse Universe

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



11.1435, 0.4585, 0.2464



17.9582, 0.5039, 0.2555



10.4348, 0.5946, 0.3317



8.5713, 0.3214, 0.3181



7.2643, 0.5002, 0.2529



0.2404, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 32.3826, 0.2671, 0.4628 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 32.3826, 0.2671, 0.4628 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 32.3826, 0.2671, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 32.3826, 0.2671, 0.4628.



This preview shows how white text looks on a background with the Yxy color 32.3826, 0.2671, 0.4628.

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

32.3826, 0.2671, 0.4628

Protanopia

31.8610, 0.3817, 0.4124

Deuteranopia

31.8834, 0.3846, 0.3777



Tritanopia

32.2388, 0.2333, 0.3056

Trichromacy



Original Color

32.3826, 0.2671, 0.4628



Protanomaly

30.2614, 0.3240, 0.4355



Deuteranomaly

30.0151, 0.3241, 0.4114



Tritanomaly

31.8948, 0.2440, 0.3573

Monochromacy



Original Color

32.3826, 0.2671, 0.4628



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.4787, 0.2842, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3826, 0.2671, 0.4628 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(31, 176, 106)` looks like.

```
.text, #text, p{  
    color:rgb(31, 176, 106)  
}
```

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(31, 176, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 176, 106) }
```

Border

The CSS property to change the border of an element to Yxy 32.3826, 0.2671, 0.4628 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(31, 176, 106) }
```

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

```
.border{ border-color:rgb(31, 176, 106) }
```

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

Here you see how a box with a 4 pixel rgb(31, 176, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 176, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 176, 106);  
box-shadow:4px 4px 4px 4px rgb(31, 176,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3826, 0.2671, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 176, 106) }
```

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

```
.background{ background-color: rgb(31, 176,  
106) }
```

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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