

Converting Colors

$Yxy(30.8047, 0.2397, 0.4836)$

Have a look what the booklet for
Yxy(30.8047, 0.2397, 0.4836)
contains.

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Color

Yxy(32.4036, 0.2649, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	00B166
RGB	0, 177, 102
RGB Percent	0%, 69%, 40%
CMY	1.0000, 0.3058, 0.6000
CMYK	1.00, 0.00, 0.42, 0.31
HSL	155°, 100%, 35%
HSV	155°, 100%, 69%
XYZ	18.1167, 32.4036, 17.8705
YIQ	115.5270, -81.4170, -60.8490

Conversions

Conversions Part 2

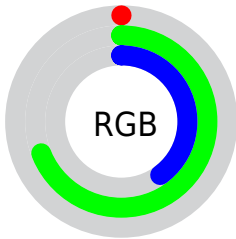
Format	Color
RYB	0, 112, 177
Decimal	45414
CIELab	63.68, -55.68, 27.87
CIELCh	64, 62.261, 153.410
Yxy	32.4036, 0.2649, 0.4738
Android (android.graphics.Color)	4278235494 (0xFF00B166)
YUV	115.5270, -6.6688, -101.3172
Hunter-Lab	56.9242, -42.8077, 21.2337

Details

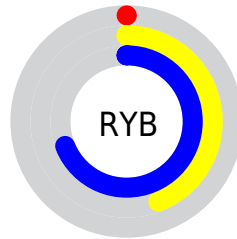
The Yxy color **32.4036, 0.2649, 0.4738** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **9.8563, 0.5273, 0.2679**, and the grayscale version is **17.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5584, 0.2766, 0.4409**, and **14.4323, 0.2763, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **32.4074, 0.2649, 0.4738**, and if you desaturate by 10%, it is **32.6888, 0.2628, 0.4580**.

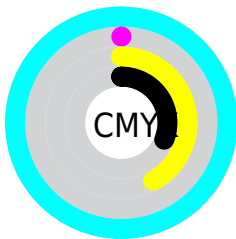
Distribution



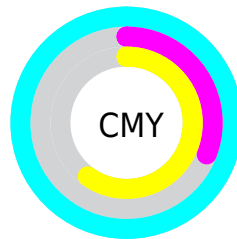
- Red (0%)
- Green (69%)
- Blue (40%)



- Red (0%)
- Yellow (44%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4036, 0.2649, 0.4738 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 32.4036, 0.2649, 0.4738 by changing the saturation by 10% instead.


 32.4036, 0.2649,
0.4738


 32.4036, 0.2649,
0.4738


 312.9537, 0.2933,
0.3913


 21.6700, 0.2560,
0.4982


 63.4433, 0.2765,
0.4411

 13.6146, 0.2433,
0.5321


 84.5181, 0.2804,
0.4296


 7.8531, 0.2240,
0.5816


 109.8088, 0.2836,
0.4203

 4.0011, 0.1921,
0.6588

 139.6997, 0.2862,
0.4125

 1.6742, 0.0455,
0.9545

 174.5752, 0.2884,
0.4060

 0.4069, 0.0000,
1.0000

 214.8198, 0.2903,

 0.0000, 0.0000,

0.4003

0.0000

260.8179, 0.2919,
0.3955

■ 32.4036, 0.2649,
0.4738

■ 32.4036, 0.2649,
0.4738

■ 32.4074, 0.2649,
0.4738

■ 32.6888, 0.2628,
0.4580

■ 33.0969, 0.2622,
0.4417

■ 33.6758, 0.2635,
0.4253

■ 34.4463, 0.2669,
0.4090

■ 35.4264, 0.2719,
0.3932

■ 36.6317, 0.2784,
0.3782

■ 38.0762, 0.2860,
0.3642

■ 39.7731, 0.2944,
0.3513

■ 41.7343, 0.3034,
0.3396

Harmonies

Analogous

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



32.4036, 0.3546, 0.5115



32.4036, 0.2649, 0.4738



32.4036, 0.1933, 0.3702

Triad

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



32.4036, 0.2649, 0.4738



32.4036, 0.1846, 0.1881



32.4036, 0.4984, 0.3436

Complementary

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



32.4036, 0.2649, 0.4738



9.8563, 0.5273, 0.2679

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.



32.4036, 0.4387, 0.2802



32.4036, 0.2649, 0.4738



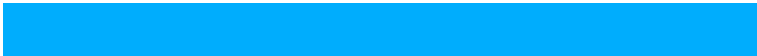
32.4036, 0.2472, 0.1955

Square

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



32.4036, 0.2649, 0.4738



32.4036, 0.1549, 0.2101



32.4036, 0.3401, 0.2280



32.4036, 0.4943, 0.4115

Rectangle

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



32.4036, 0.2649, 0.4738



32.4036, 0.1649, 0.2994



32.4036, 0.3401, 0.2280



32.4036, 0.4852, 0.3217

Sweetspot

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



32.4074, 0.2649, 0.4738



68.0419, 0.2856, 0.3649



33.0135, 0.3282, 0.5776



14.5059, 0.2823, 0.3706



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.



32.4074, 0.2649, 0.4738



57.9886, 0.2657, 0.4763



30.1604, 0.2189, 0.3081



9.5694, 0.3040, 0.3388



23.4898, 0.2645, 0.4721



0.7505, 0.2521, 0.4276

Inverse Universe

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



9.8563, 0.5273, 0.2679



17.6081, 0.5314, 0.2701



9.6064, 0.6350, 0.3340



8.5630, 0.3223, 0.3194



7.1520, 0.5246, 0.2664



0.2368, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 32.4036, 0.2649, 0.4738 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 32.4036, 0.2649, 0.4738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

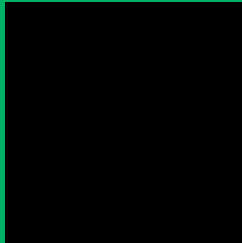
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4036, 0.2649, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 32.4036, 0.2649, 0.4738.



This preview shows how white text looks on a background with the Yxy color 32.4036, 0.2649, 0.4738.

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

32.4036, 0.2649, 0.4738

Protanopia

31.7883, 0.3854, 0.4181

Deuteranopia

31.9166, 0.3899, 0.3831



Tritanopia

32.4653, 0.2321, 0.3072

Trichromacy



Original Color

32.4036, 0.2649, 0.4738



Protanomaly

29.7494, 0.3158, 0.4478



Deuteranomaly

29.2073, 0.3177, 0.4212



Tritanomaly

31.8642, 0.2410, 0.3631

Monochromacy



Original Color

32.4036, 0.2649, 0.4738



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.7805, 0.2746, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4036, 0.2649, 0.4738 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(0, 177, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 102)  
}
```

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(0, 177, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 102) }
```

Border

The CSS property to change the border of an element to Yxy 32.4036, 0.2649, 0.4738 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(0, 177, 102) }
```

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

```
.border{ border-color:rgb(0, 177, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4036, 0.2649, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 102) }
```

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

```
.background{ background-color: rgb(0, 177,  
102) }
```

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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