

Converting Colors

$Yxy(27.9469, 0.1766, 0.4532)$

Have a look what the booklet for
Yxy(27.9469, 0.1766, 0.4532)
contains.

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Color

Yxy(32.0404, 0.2534, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	00AF79
RGB	0, 175, 121
RGB Percent	0%, 69%, 47%
CMY	1.0000, 0.3137, 0.5255
CMYK	1.00, 0.00, 0.31, 0.31
HSL	161°, 100%, 34%
HSV	161°, 100%, 69%
XYZ	18.7767, 32.0404, 23.2819
YIQ	116.5190, -86.9660, -53.8940

Conversions

Conversions Part 2

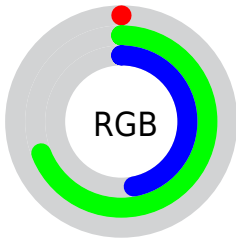
Format	Color
RYB	0, 103, 175
Decimal	44921
CIELab	63.38, -50.94, 17.26
CIELCh	63, 53.780, 161.281
Yxy	32.0404, 0.2534, 0.4324
Android (android.graphics.Color)	4278235001 (0xFF00AF79)
YUV	116.5190, 2.2091, -102.1872
Hunter-Lab	56.6042, -39.8456, 15.2364

Details

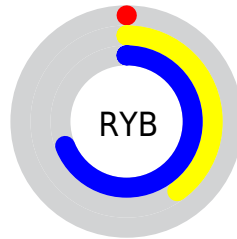
The Yxy color **32.0404, 0.2534, 0.4324** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.3817, 0.5722, 0.2926**, and the grayscale version is **17.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0964, 0.2660, 0.4093**, and **14.1426, 0.2618, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **32.0445, 0.2534, 0.4324**, and if you desaturate by 10%, it is **32.3046, 0.2523, 0.4209**.

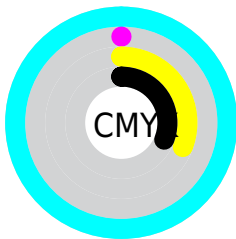
Distribution



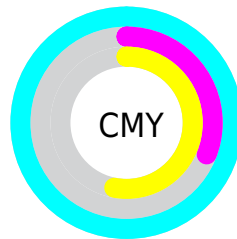
- Red (0%)
- Green (69%)
- Blue (47%)



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



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





- Cyan (100%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0404, 0.2534, 0.4324 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 32.0404, 0.2534, 0.4324 by changing the saturation by 10% instead.


 32.0404, 0.2534,
0.4324


 32.0404, 0.2534,
0.4324


 311.3032, 0.2863,
0.3742


 21.3924, 0.2440,
0.4494


 62.8744, 0.2662,
0.4095


 13.4111, 0.2310,
0.4730


 83.8292, 0.2708,
0.4015

 7.7122, 0.2123,
0.5076


 108.9883, 0.2745,
0.3949

 3.9114, 0.1833,
0.5626

 138.7362, 0.2777,
0.3894

 1.6241, 0.0748,
0.7403

 173.4572, 0.2803,
0.3847

 0.3738, 0.0000,
1.0000

 213.5358, 0.2826,

 0.0000, 0.0000,

0.3807

0.0000

259.3564, 0.2846,
0.3773

■ 32.0404, 0.2534,
0.4324

■ 32.0404, 0.2534,
0.4324

■ 32.0445, 0.2534,
0.4324

■ 32.3046, 0.2523,
0.4209

■ 32.6819, 0.2526,
0.4092

■ 33.2195, 0.2550,
0.3976

■ 33.9375, 0.2592,
0.3861

■ 34.8530, 0.2652,
0.3749

■ 35.9810, 0.2728,
0.3643

■ 37.3353, 0.2816,
0.3544

■ 38.9281, 0.2914,
0.3451

■ 40.7711, 0.3018,
0.3367

Harmonies

Analogous

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



32.0404, 0.3314, 0.4842



32.0404, 0.2534, 0.4324



32.0404, 0.1960, 0.3407

Triad

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



32.0404, 0.2534, 0.4324



32.0404, 0.2109, 0.2026



32.0404, 0.4795, 0.3609

Complementary

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



32.0404, 0.2534, 0.4324



9.3817, 0.5722, 0.2926

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.



32.0404, 0.4404, 0.3014



32.0404, 0.2534, 0.4324



32.0404, 0.2752, 0.2153

Square

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



32.0404, 0.2534, 0.4324



32.0404, 0.1759, 0.2161



32.0404, 0.3607, 0.2502



32.0404, 0.4646, 0.4217

Rectangle

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



32.0404, 0.2534, 0.4324



32.0404, 0.1753, 0.2843



32.0404, 0.3607, 0.2502



32.0404, 0.4725, 0.3406

Sweetspot

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



32.0445, 0.2534, 0.4324



66.7211, 0.2811, 0.3549



31.4882, 0.3158, 0.5874



14.5976, 0.2774, 0.3589



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.



32.0445, 0.2534, 0.4324



57.3419, 0.2540, 0.4343



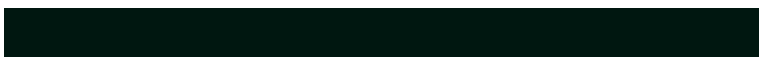
22.7181, 0.2082, 0.2695



9.0294, 0.3026, 0.3361



22.9564, 0.2531, 0.4311



0.6478, 0.2434, 0.3963

Inverse Universe

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



9.3817, 0.5722, 0.2926



16.7655, 0.5765, 0.2949



10.1528, 0.6200, 0.3459



8.0545, 0.3240, 0.3220



6.7275, 0.5692, 0.2909



0.1971, 0.4834, 0.2436

Previews

White Background



This preview shows how the Yxy color 32.0404, 0.2534, 0.4324 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 32.0404, 0.2534, 0.4324 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 32.0404, 0.2534, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 32.0404, 0.2534, 0.4324.



This preview shows how white text looks on a background with the Yxy color 32.0404, 0.2534, 0.4324.

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

32.0404, 0.2534, 0.4324

Protanopia

31.4967, 0.3654, 0.3914

Deuteranopia

31.6298, 0.3644, 0.3583



Tritanopia

31.9034, 0.2294, 0.3054

Trichromacy



Original Color

32.0404, 0.2534, 0.4324



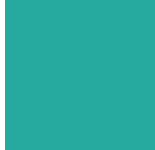
Protanomaly

29.3225, 0.2992, 0.4104



Deuteranomaly

29.0394, 0.2980, 0.3856



Tritanomaly

31.6647, 0.2358, 0.3484

Monochromacy



Original Color

32.0404, 0.2534, 0.4324



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.9408, 0.2687, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0404, 0.2534, 0.4324 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, 175, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 121)  
}
```

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, 175, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 121) }
```

Border

The CSS property to change the border of an element to Yxy 32.0404, 0.2534, 0.4324 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, 175, 121) }
```

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

```
.border{ border-color:rgb(0, 175, 121) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0404, 0.2534, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 121) }
```

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

```
.background{ background-color: rgb(0, 175,  
121) }
```

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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