

Converting Colors

$Yxy(23.5349, 0.2544, 0.4353)$

Have a look what the booklet for
Yxy(23.5349, 0.2544, 0.4353)
contains.

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Color

Yxy(23.4422, 0.2546, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	019867
RGB	1, 152, 103
RGB Percent	0%, 60%, 40%
CMY	0.9960, 0.4039, 0.5961
CMYK	0.99, 0.00, 0.32, 0.40
HSL	161°, 99%, 30%
HSV	161°, 99%, 60%
XYZ	13.6890, 23.4422, 16.6354
YIQ	101.2650, -74.2670, -47.2510

Conversions

Conversions Part 2

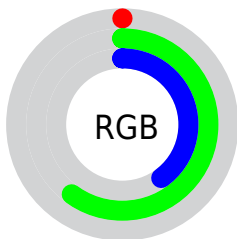
Format	Color
R_{YB}	1, 91, 152
Decimal	104551
CIE _{Lab}	55.52, -46.21, 16.40
CIE _{LCh}	56, 49.033, 160.460
Yxy	23.4422, 0.2546, 0.4360
Android (android.graphics.Color)	4278294631 (0xFF019867)
YUV	101.2650, 0.8554, -87.9324
Hunter-Lab	48.4171, -34.2628, 13.5209

Details

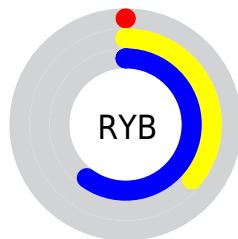
The Yxy color **23.4422, 0.2546, 0.4360** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9280, 0.5615, 0.2874**, and the grayscale version is **13.0993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9850, 0.2686, 0.4103**, and **9.3999, 0.2642, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **23.4300, 0.2547, 0.4368**, and if you desaturate by 10%, it is **23.6506, 0.2536, 0.4239**.

Distribution



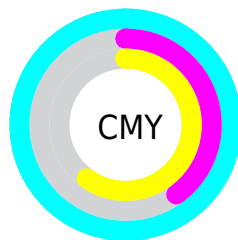
- Red (0%)
- Green (60%)
- Blue (40%)



- Red (0%)
- Yellow (36%)
- Blue (60%)



- Cyan (99%)
- Magenta (0%)
- Yellow (32%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4422, 0.2546, 0.4360 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 23.4422, 0.2546, 0.4360 by changing the saturation by 10% instead.


 23.4422, 0.2546,
0.4360


 23.4422, 0.2546,
0.4360

 269.9882, 0.2885,
0.3730


 14.9204, 0.2440,
0.4560


 49.1184, 0.2683,
0.4103


 8.7635, 0.2289,
0.4849


 67.0416, 0.2730,
0.4015


 4.5873, 0.2056,
0.5300

 88.8673, 0.2769,
0.3944

 2.0072, 0.1561,
0.6200

 114.9800, 0.2800,
0.3886

 0.6116, 0.0000,
1.0000

 145.7640, 0.2826,
0.3838

 0.0000, 0.0000,
0.0000

 181.6038, 0.2849,

0.3796

222.8837, 0.2868,
0.3761

■ 23.4422, 0.2546,
0.4360

■ 23.4422, 0.2546,
0.4360

■ 23.4300, 0.2547,
0.4368

■ 23.6506, 0.2536,
0.4239

■ 23.9443, 0.2542,
0.4118

■ 24.3557, 0.2566,
0.3996

■ 24.8987, 0.2609,
0.3876

■ 25.5853, 0.2670,
0.3760

■ 26.4260, 0.2745,
0.3650

■ 27.4302, 0.2831,
0.3547

■ 28.6067, 0.2927,
0.3451

■ 29.9637, 0.3029,
0.3364

Harmonies

Analogous

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



23.4422, 0.3336, 0.4866



23.4422, 0.2546, 0.4360



23.4422, 0.1959, 0.3433

Triad

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



23.4422, 0.2546, 0.4360



23.4422, 0.2085, 0.2014



23.4422, 0.4810, 0.3592

Complementary

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



23.4422, 0.2546, 0.4360



6.9280, 0.5615, 0.2874

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.



23.4422, 0.4401, 0.2994



23.4422, 0.2546, 0.4360



23.4422, 0.2726, 0.2136

Square

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



23.4422, 0.2546, 0.4360



23.4422, 0.1740, 0.2157



23.4422, 0.3587, 0.2482



23.4422, 0.4672, 0.4208

Rectangle

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



23.4422, 0.2546, 0.4360



23.4422, 0.1745, 0.2858



23.4422, 0.3587, 0.2482



23.4422, 0.4734, 0.3388

Sweetspot

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



23.4431, 0.2546, 0.4360



48.1776, 0.2820, 0.3559



23.1722, 0.3184, 0.5848



10.7892, 0.2786, 0.3599



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.4431, 0.2546, 0.4360



41.3212, 0.2553, 0.4391



17.4103, 0.2102, 0.2762



6.9924, 0.3030, 0.3363



19.6507, 0.2544, 0.4360



0.3004, 0.2398, 0.3833

Inverse Universe

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



6.9280, 0.5615, 0.2874



12.1497, 0.5684, 0.2905



7.4245, 0.6196, 0.3451



6.2541, 0.3235, 0.3218



5.7906, 0.5618, 0.2869



0.0927, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 23.4422, 0.2546, 0.4360 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4422, 0.2546, 0.4360 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 × Fail

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

Yxy 23.4422, 0.2546, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 23.4422, 0.2546, 0.4360.



This preview shows how white text looks on a background with the Yxy color 23.4422, 0.2546, 0.4360.

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

23.4422, 0.2546, 0.4360

Protanopia

23.0615, 0.3669, 0.3949

Deuteranopia

23.0552, 0.3657, 0.3590



Tritanopia

23.4152, 0.2303, 0.3060

Trichromacy



Original Color

23.4422, 0.2546, 0.4360



Protanomaly

21.5525, 0.3026, 0.4153



Deuteranomaly

21.2665, 0.3004, 0.3873



Tritanomaly

23.3093, 0.2370, 0.3512

Monochromacy



Original Color

23.4422, 0.2546, 0.4360



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.5161, 0.2703, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4422, 0.2546, 0.4360 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(1, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(1, 152, 103)  
}
```

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(1, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 152, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.4422, 0.2546, 0.4360 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(1, 152, 103) }
```

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

```
.border{ border-color:rgb(1, 152, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(1, 152,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4422, 0.2546, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 152, 103) }
```

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

```
.background{ background-color: rgb(1, 152,  
103) }
```

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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