

Converting Colors

$Y_{xy}(23.7282, 0.2560, 0.4416)$

Have a look what the booklet for
Yxy(23.7282, 0.2560, 0.4416)
contains.

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Color

Yxy(23.7221, 0.2562, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	009965
RGB	0, 153, 101
RGB Percent	0%, 60%, 40%
CMY	0.9999, 0.4000, 0.6039
CMYK	1.00, 0.00, 0.34, 0.40
HSL	160°, 100%, 30%
HSV	160°, 100%, 60%
XYZ	13.7409, 23.7221, 16.1705
YIQ	101.3250, -74.4960, -48.6080

Conversions

Conversions Part 2

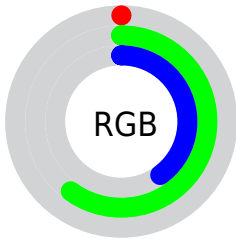
Format	Color
RYB	0, 92, 153
Decimal	39269
CIELab	55.81, -47.10, 17.89
CIELCh	56, 50.385, 159.197
Yxy	23.7221, 0.2562, 0.4423
Android (android.graphics.Color)	4278229349 (0xFF009965)
YUV	101.3250, -0.1602, -88.8620
Hunter-Lab	48.7053, -34.8754, 14.4091

Details

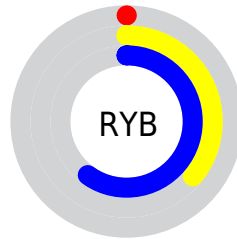
The Yxy color **23.7221, 0.2562, 0.4423** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0208, 0.5579, 0.2847**, and the grayscale version is **13.1193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4050, 0.2700, 0.4148**, and **9.5737, 0.2666, 0.4799** is the 20% darker color. If you saturate the color by 10%, you get **23.7228, 0.2562, 0.4423**, and if you desaturate by 10%, it is **23.9324, 0.2550, 0.4296**.

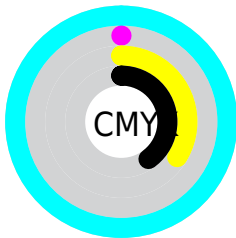
Distribution



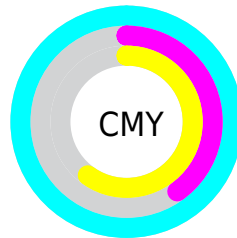
- Red (0%)
- Green (60%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (40%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7221, 0.2562, 0.4423 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 23.7221, 0.2562, 0.4423 by changing the saturation by 10% instead.


 23.7221, 0.2562,
0.4423


 23.7221, 0.2562,
0.4423


271.4125, 0.2894,
0.3755


 15.1276, 0.2458,
0.4635


 49.5763, 0.2697,
0.4150

 8.9090, 0.2308,
0.4941


 67.6048, 0.2743,
0.4057

 4.6819, 0.2075,
0.5418

 89.5468, 0.2780,
0.3982

 2.0618, 0.1590,
0.6383

 115.7867, 0.2811,
0.3921

 0.6430, 0.0000,
1.0000

 146.7088, 0.2837,
0.3869

 0.0000, 0.0000,
0.0000

 182.6975, 0.2859,

0.3825

224.1373, 0.2877,
0.3788

■ 23.7221, 0.2562,
0.4423

■ 23.7221, 0.2562,
0.4423

■ 23.7228, 0.2562,
0.4423

■ 23.9324, 0.2550,
0.4296

■ 24.2253, 0.2553,
0.4168

■ 24.6373, 0.2575,
0.4040

■ 25.1826, 0.2616,
0.3914

■ 25.8735, 0.2674,
0.3792

■ 26.7207, 0.2746,
0.3676

■ 27.7342, 0.2831,
0.3567

■ 28.9226, 0.2924,
0.3466

■ 30.2945, 0.3024,
0.3373

Harmonies

Analogous

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



23.7221, 0.3371, 0.4912



23.7221, 0.2562, 0.4423



23.7221, 0.1953, 0.3475

Triad

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



23.7221, 0.2562, 0.4423



23.7221, 0.2043, 0.1990



23.7221, 0.4842, 0.3567

Complementary

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



23.7221, 0.2562, 0.4423



7.0208, 0.5579, 0.2847

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.



23.7221, 0.4402, 0.2962



23.7221, 0.2562, 0.4423



23.7221, 0.2683, 0.2104

Square

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



23.7221, 0.2562, 0.4423



23.7221, 0.1706, 0.2146



23.7221, 0.3558, 0.2447



23.7221, 0.4719, 0.4195

Rectangle

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



23.7221, 0.2562, 0.4423



23.7221, 0.1727, 0.2878



23.7221, 0.3558, 0.2447



23.7221, 0.4757, 0.3360

Sweetspot

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



23.7230, 0.2562, 0.4423



49.5491, 0.2826, 0.3573



23.5553, 0.3197, 0.5843



10.7802, 0.2792, 0.3614



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.



23.7230, 0.2562, 0.4423



42.4480, 0.2569, 0.4447



18.2797, 0.2115, 0.2814



6.9909, 0.3032, 0.3367



19.6124, 0.2559, 0.4414



0.2999, 0.2406, 0.3862

Inverse Universe

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



7.0208, 0.5579, 0.2847



12.5408, 0.5629, 0.2875



7.3839, 0.6240, 0.3427



6.2556, 0.3233, 0.3215



5.8078, 0.5561, 0.2837



0.0932, 0.4518, 0.2262

Previews

White Background



This preview shows how the Yxy color 23.7221, 0.2562, 0.4423 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 23.7221, 0.2562, 0.4423 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 23.7221, 0.2562, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 23.7221, 0.2562, 0.4423.



This preview shows how white text looks on a background with the Yxy color 23.7221, 0.2562, 0.4423.

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

23.7221, 0.2562, 0.4423

Protanopia

23.4771, 0.3711, 0.3992

Deuteranopia

23.4684, 0.3702, 0.3636



Tritanopia

23.7833, 0.2306, 0.3061

Trichromacy



Original Color

23.7221, 0.2562, 0.4423



Protanomaly

21.8577, 0.3054, 0.4210



Deuteranomaly

21.5639, 0.3034, 0.3931



Tritanomaly

23.6411, 0.2378, 0.3531

Monochromacy



Original Color

23.7221, 0.2562, 0.4423



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.4625, 0.2704, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7221, 0.2562, 0.4423 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, 153, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 101)  
}
```

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, 153, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 101) }
```

Border

The CSS property to change the border of an element to Yxy 23.7221, 0.2562, 0.4423 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, 153, 101) }
```

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

```
.border{ border-color:rgb(0, 153, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7221, 0.2562, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 101) }
```

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

```
.background{ background-color: rgb(0, 153,  
101) }
```

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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