

Converting Colors

$Yxy(23.3332, 0.2406, 0.4161)$

Have a look what the booklet for
Yxy(23.3332, 0.2406, 0.4161)
contains.

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Color

Yxy(23.6263, 0.2486, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	009870
RGB	0, 152, 112
RGB Percent	0%, 60%, 44%
CMY	1.0000, 0.4039, 0.5608
CMYK	1.00, 0.00, 0.26, 0.40
HSL	164°, 100%, 30%
HSV	164°, 100%, 60%
XYZ	14.1496, 23.6263, 19.1412
YIQ	101.9920, -77.7520, -44.6640

Conversions

Conversions Part 2

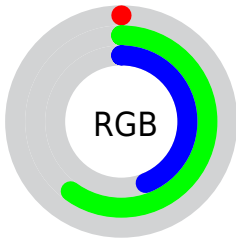
Format	Color
RYB	0, 88, 152
Decimal	39024
CIELab	55.71, -44.11, 11.60
CIELCh	56, 45.607, 165.262
Yxy	23.6263, 0.2486, 0.4151
Android (android.graphics.Color)	4278229104 (0xFF009870)
YUV	101.9920, 4.9339, -89.4470
Hunter-Lab	48.6069, -33.1002, 10.6766

Details

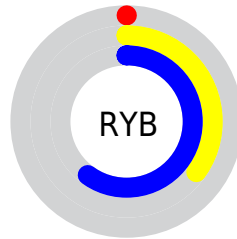
The Yxy color **23.6263, 0.2486, 0.4151** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.8296, 0.5851, 0.2997**, and the grayscale version is **13.2881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3322, 0.2632, 0.3941**, and **9.4845, 0.2567, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **23.6291, 0.2486, 0.4151**, and if you desaturate by 10%, it is **23.8235, 0.2482, 0.4055**.

Distribution



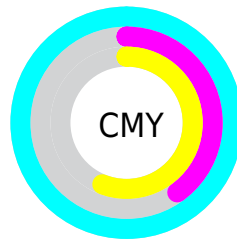
- Red (0%)
- Green (60%)
- Blue (44%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6263, 0.2486, 0.4151 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 23.6263, 0.2486, 0.4151 by changing the saturation by 10% instead.


 23.6263, 0.2486,
0.4151


 23.6263, 0.2486,
0.4151


 270.9257, 0.2851,
0.3650


 15.0566, 0.2376,
0.4307


 49.4197, 0.2631,
0.3948


 8.8591, 0.2222,
0.4531


 67.4122, 0.2682,
0.3879


 4.6494, 0.1992,
0.4876

 89.3145, 0.2723,
0.3822

 2.0431, 0.1555,
0.5511

 115.5109, 0.2758,
0.3776

 0.6323, 0.0000,
1.0000

 146.3858, 0.2787,
0.3737

 0.0000, 0.0000,
0.0000

 182.3236, 0.2811,

0.3704

223.7088, 0.2833,
0.3675

■ 23.6263, 0.2486,
0.4151

■ 23.6263, 0.2486,
0.4151

■ 23.6291, 0.2486,
0.4151

■ 23.8235, 0.2482,
0.4055

■ 24.0975, 0.2491,
0.3958

■ 24.4863, 0.2519,
0.3861

■ 25.0038, 0.2566,
0.3766

■ 25.6621, 0.2631,
0.3674

■ 26.4717, 0.2710,
0.3586

■ 27.4422, 0.2802,
0.3502

■ 28.5822, 0.2904,
0.3425

■ 29.9000, 0.3013,
0.3354

Harmonies

Analogous

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



23.6263, 0.3211, 0.4709



23.6263, 0.2486, 0.4151



23.6263, 0.1974, 0.3292

Triad

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



23.6263, 0.2486, 0.4151



23.6263, 0.2229, 0.2092



23.6263, 0.4707, 0.3682

Complementary

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



23.6263, 0.2486, 0.4151



6.8296, 0.5851, 0.2997

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.



23.6263, 0.4402, 0.3107



23.6263, 0.2486, 0.4151



23.6263, 0.2875, 0.2243

Square

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



23.6263, 0.2486, 0.4151



23.6263, 0.1856, 0.2190



23.6263, 0.3690, 0.2602



23.6263, 0.4515, 0.4253

Rectangle

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



23.6263, 0.2486, 0.4151



23.6263, 0.1801, 0.2786



23.6263, 0.3690, 0.2602



23.6263, 0.4662, 0.3487

Sweetspot

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



23.6291, 0.2486, 0.4151



48.3238, 0.2797, 0.3507



22.9214, 0.3123, 0.5903



10.8260, 0.2760, 0.3539



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.



23.6291, 0.2486, 0.4151



41.6718, 0.2491, 0.4169



14.8830, 0.2036, 0.2531



6.9988, 0.3022, 0.3349



19.8152, 0.2485, 0.4144



0.3021, 0.2367, 0.3719

Inverse Universe

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



6.8296, 0.5851, 0.2997



12.0279, 0.5898, 0.3023



7.9061, 0.6088, 0.3548



6.2481, 0.3244, 0.3232



5.7303, 0.5834, 0.2988



0.0910, 0.4804, 0.2420

Previews

White Background



This preview shows how the Yxy color 23.6263, 0.2486, 0.4151 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 23.6263, 0.2486, 0.4151 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 23.6263, 0.2486, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 23.6263, 0.2486, 0.4151.



This preview shows how white text looks on a background with the Yxy color 23.6263, 0.2486, 0.4151.

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

23.6263, 0.2486, 0.4151

Protanopia

23.5051, 0.3564, 0.3809

Deuteranopia

23.3020, 0.3532, 0.3474



Tritanopia

23.6794, 0.2290, 0.3060

Trichromacy



Original Color

23.6263, 0.2486, 0.4151



Protanomaly

21.9704, 0.2935, 0.3981



Deuteranomaly

21.6159, 0.2908, 0.3728



Tritanomaly

23.3942, 0.2340, 0.3429

Monochromacy



Original Color

23.6263, 0.2486, 0.4151



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.5974, 0.2666, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6263, 0.2486, 0.4151 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, 152, 112)` looks like.

```
.text, #text, p{  
  color:rgb(0, 152, 112)  
}
```

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, 152, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.6263, 0.2486, 0.4151 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, 152, 112) }
```

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

```
.border{ border-color:rgb(0, 152, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6263, 0.2486, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 112) }
```

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

```
.background{ background-color: rgb(0, 152,  
112) }
```

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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