

Converting Colors

$Y_{xy}(21.9128, 0.2080, 0.4259)$

Have a look what the booklet for
Yxy(21.9128, 0.2080, 0.4259)
contains.

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Color

Yxy(23.6042, 0.2493, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	00986F
RGB	0, 152, 111
RGB Percent	0%, 60%, 44%
CMY	0.9995, 0.4039, 0.5647
CMYK	1.00, 0.00, 0.27, 0.40
HSL	164°, 100%, 30%
HSV	164°, 100%, 60%
XYZ	14.0981, 23.6042, 18.8483
YIQ	101.8780, -77.4310, -44.9750

Conversions

Conversions Part 2

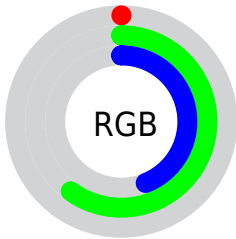
Format	Color
RYB	0, 88, 152
Decimal	39023
CIELab	55.69, -44.33, 12.14
CIELCh	56, 45.964, 164.687
Yxy	23.6042, 0.2493, 0.4174
Android (android.graphics.Color)	4278229103 (0xFF00986F)
YUV	101.8780, 4.4971, -89.3470
Hunter-Lab	48.5842, -33.2255, 11.0073

Details

The Yxy color **23.6042, 0.2493, 0.4174** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.8395, 0.5826, 0.2984**, and the grayscale version is **13.2673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2962, 0.2637, 0.3957**, and **9.4732, 0.2576, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **23.6035, 0.2493, 0.4175**, and if you desaturate by 10%, it is **23.8012, 0.2488, 0.4075**.

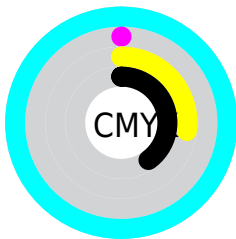
Distribution



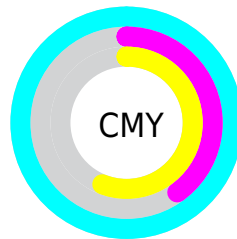
- Red (0%)
- Green (60%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6042, 0.2493, 0.4174 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 23.6042, 0.2493, 0.4174 by changing the saturation by 10% instead.


 23.6042, 0.2493,
0.4174

 23.6042, 0.2493,
0.4174


270.8133, 0.2855,
0.3659


 15.0403, 0.2384,
0.4335


 49.3835, 0.2637,
0.3965

 8.8477, 0.2230,
0.4566

 67.3677, 0.2688,
0.3894


 4.6419, 0.2000,
0.4923

 89.2608, 0.2729,
0.3836

 2.0388, 0.1557,
0.5582

 115.4472, 0.2763,
0.3788

 0.6298, 0.0000,
1.0000

 146.3112, 0.2791,
0.3748

 0.0000, 0.0000,
0.0000

 182.2373, 0.2816,

0.3714

223.6099, 0.2837,
0.3684

■ 23.6042, 0.2493,
0.4174

■ 23.6042, 0.2493,
0.4174

■ 23.6035, 0.2493,
0.4175

■ 23.8012, 0.2488,
0.4075

■ 24.0776, 0.2497,
0.3976

■ 24.4691, 0.2525,
0.3876

■ 24.9897, 0.2571,
0.3778

■ 25.6514, 0.2635,
0.3683

■ 26.4646, 0.2714,
0.3593

■ 27.4390, 0.2806,
0.3507

■ 28.5833, 0.2907,
0.3428

■ 29.9055, 0.3015,
0.3355

Harmonies

Analogous

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



23.6042, 0.3225, 0.4726



23.6042, 0.2493, 0.4174



23.6042, 0.1973, 0.3308

Triad

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



23.6042, 0.2493, 0.4174



23.6042, 0.2213, 0.2084



23.6042, 0.4718, 0.3672

Complementary

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



23.6042, 0.2493, 0.4174



6.8395, 0.5826, 0.2984

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.



23.6042, 0.4402, 0.3094



23.6042, 0.2493, 0.4174



23.6042, 0.2858, 0.2231

Square

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



23.6042, 0.2493, 0.4174



23.6042, 0.1843, 0.2186



23.6042, 0.3678, 0.2589



23.6042, 0.4532, 0.4248

Rectangle

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



23.6042, 0.2493, 0.4174



23.6042, 0.1795, 0.2794



23.6042, 0.3678, 0.2589



23.6042, 0.4670, 0.3476

Sweetspot

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



23.6051, 0.2493, 0.4174



48.3074, 0.2799, 0.3513



22.9742, 0.3136, 0.5891



10.8219, 0.2763, 0.3546



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.



23.6051, 0.2493, 0.4174



41.6310, 0.2498, 0.4193



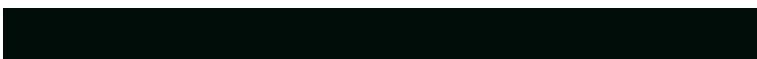
15.4844, 0.2053, 0.2589



6.9981, 0.3023, 0.3351



19.7961, 0.2491, 0.4168



0.3019, 0.2370, 0.3731

Inverse Universe

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



6.8395, 0.5826, 0.2984



12.0400, 0.5875, 0.3010



7.7656, 0.6120, 0.3522



6.2487, 0.3243, 0.3230



5.7363, 0.5811, 0.2975



0.0912, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 23.6042, 0.2493, 0.4174 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 23.6042, 0.2493, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

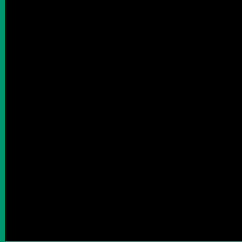
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6042, 0.2493, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 23.6042, 0.2493, 0.4174.



This preview shows how white text looks on a background with the Yxy color 23.6042, 0.2493, 0.4174.

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

23.6042, 0.2493, 0.4174

Protanopia

23.4851, 0.3575, 0.3827

Deuteranopia

23.2786, 0.3544, 0.3491



Tritanopia

23.7045, 0.2294, 0.3060

Trichromacy



Original Color

23.6042, 0.2493, 0.4174



Protanomaly

21.9497, 0.2944, 0.4002



Deuteranomaly

21.5930, 0.2918, 0.3749



Tritanomaly

23.4100, 0.2342, 0.3429

Monochromacy



Original Color

23.6042, 0.2493, 0.4174



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.5767, 0.2675, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6042, 0.2493, 0.4174 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, 111)` looks like.

```
.text, #text, p{  
  color:rgb(0, 152, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.6042, 0.2493, 0.4174 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, 111) }
```

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

```
.border{ border-color:rgb(0, 152, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6042, 0.2493, 0.4174 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, 111) }
```

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

```
.background{ background-color: rgb(0, 152,  
111) }
```

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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