

Converting Colors

$Yxy(22.6423, 0.2538, 0.4625)$

Have a look what the booklet for
Yxy(22.6423, 0.2538, 0.4625)
contains.

Yxy(22.9059, 0.2612, 0.4603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.9059, 0.2612, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	00975C
RGB	0, 151, 92
RGB Percent	0%, 59%, 36%
CMY	0.9999, 0.4078, 0.6393
CMYK	1.00, 0.00, 0.39, 0.41
HSL	157°, 100%, 30%
HSV	157°, 100%, 59%
XYZ	12.9981, 22.9059, 13.8590
YIQ	99.1250, -71.0570, -50.3610

Conversions

Conversions Part 2

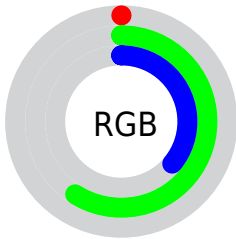
Format	Color
RYB	0, 94, 151
Decimal	38748
CIELab	54.98, -48.33, 21.77
CIELCh	55, 53.001, 155.753
Yxy	22.9059, 0.2612, 0.4603
Android (android.graphics.Color)	4278228828 (0xFF00975C)
YUV	99.1250, -3.5126, -86.9326
Hunter-Lab	47.8601, -35.2773, 16.3333

Details

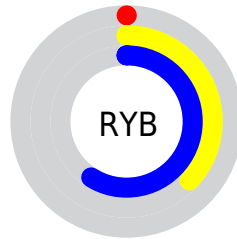
The Yxy color **22.9059, 0.2612, 0.4603** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.8961, 0.5377, 0.2736**, and the grayscale version is **12.5346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1042, 0.2741, 0.4272**, and **9.1131, 0.2737, 0.5054** is the 20% darker color. If you saturate the color by 10%, you get **22.9066, 0.2612, 0.4603**, and if you desaturate by 10%, it is **23.1165, 0.2596, 0.4457**.

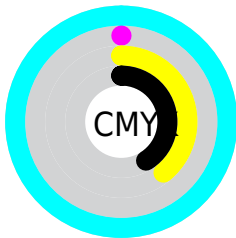
Distribution



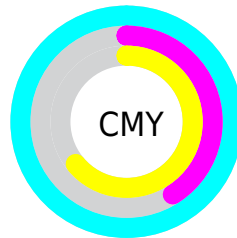
- Red (0%)
- Green (59%)
- Blue (36%)



- Red (0%)
- Yellow (37%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9059, 0.2612, 0.4603 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 22.9059, 0.2612, 0.4603 by changing the saturation by 10% instead.


 22.9059, 0.2612,
0.4603


 22.9059, 0.2612,
0.4603


267.2413, 0.2924,
0.3820


 14.5240, 0.2509,
0.4855


 48.2388, 0.2742,
0.4281


 8.4860, 0.2356,
0.5222


 65.9586, 0.2786,
0.4172


 4.4075, 0.2112,
0.5797

 87.5598, 0.2820,
0.4084

 1.9040, 0.1533,
0.7370

 113.4269, 0.2849,
0.4012

 0.5508, 0.0000,
1.0000

 143.9442, 0.2872,
0.3953

 0.0000, 0.0000,
0.0000

 179.4961, 0.2892,

0.3902

220.4670, 0.2909,
0.3858

■ 22.9059, 0.2612,
0.4603

■ 22.9059, 0.2612,
0.4603

■ 22.9066, 0.2612,
0.4603

■ 23.1165, 0.2596,
0.4457

■ 23.4088, 0.2595,
0.4309

■ 23.8185, 0.2613,
0.4160

■ 24.3596, 0.2650,
0.4013

■ 25.0439, 0.2704,
0.3871

■ 25.8819, 0.2771,
0.3736

■ 26.8831, 0.2851,
0.3609

■ 28.0563, 0.2938,
0.3492

■ 29.4095, 0.3031,
0.3386

Harmonies

Analogous

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



22.9059, 0.3473, 0.5033



22.9059, 0.2612, 0.4603



22.9059, 0.1941, 0.3603

Triad

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



22.9059, 0.2612, 0.4603



22.9059, 0.1928, 0.1926



22.9059, 0.4924, 0.3491

Complementary

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



22.9059, 0.2612, 0.4603



6.8961, 0.5377, 0.2736

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.



22.9059, 0.4395, 0.2870



22.9059, 0.2612, 0.4603



22.9059, 0.2561, 0.2017

Square

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



22.9059, 0.2612, 0.4603



22.9059, 0.1615, 0.2120



22.9059, 0.3468, 0.2350



22.9059, 0.4848, 0.4151

Rectangle

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



22.9059, 0.2612, 0.4603



22.9059, 0.1682, 0.2943



22.9059, 0.3468, 0.2350



22.9059, 0.4813, 0.3278

Sweetspot

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



22.9068, 0.2612, 0.4603



48.0238, 0.2845, 0.3617



23.1077, 0.3252, 0.5800



10.7506, 0.2814, 0.3665



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.



22.9068, 0.2612, 0.4603



40.9845, 0.2620, 0.4631



19.8160, 0.2161, 0.2978



6.9856, 0.3038, 0.3378



19.4921, 0.2610, 0.4594



0.2985, 0.2435, 0.3965

Inverse Universe

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



6.8961, 0.5377, 0.2736



12.3150, 0.5426, 0.2763



6.9246, 0.6305, 0.3375



6.2607, 0.3225, 0.3203



5.8713, 0.5361, 0.2727



0.0946, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 22.9059, 0.2612, 0.4603 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 22.9059, 0.2612, 0.4603 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 22.9059, 0.2612, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 22.9059, 0.2612, 0.4603.



This preview shows how white text looks on a background with the Yxy color 22.9059, 0.2612, 0.4603.

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

22.9059, 0.2612, 0.4603

Protanopia

22.6235, 0.3785, 0.4102

Deuteranopia

22.4191, 0.3813, 0.3739



Tritanopia

22.7957, 0.2315, 0.3058

Trichromacy



Original Color

22.9059, 0.2612, 0.4603



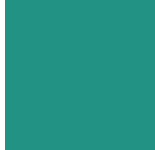
Protanomaly

21.0387, 0.3108, 0.4351



Deuteranomaly

20.4914, 0.3112, 0.4069



Tritanomaly

22.5638, 0.2395, 0.3578

Monochromacy



Original Color

22.9059, 0.2612, 0.4603



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.8582, 0.2737, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9059, 0.2612, 0.4603 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, 151, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 92)  
}
```

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, 151, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 92) }
```

Border

The CSS property to change the border of an element to Yxy 22.9059, 0.2612, 0.4603 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, 151, 92) }
```

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

```
.border{ border-color:rgb(0, 151, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.9059, 0.2612, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 92) }
```

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

```
.background{ background-color: rgb(0, 151,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor