

Converting Colors

$Y_{xy}(21.6298, 0.2579, 0.4444)$

Have a look what the booklet for
Yxy(21.6298, 0.2579, 0.4444)
contains.

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Color

Yxy(21.7571, 0.2579, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	079360
RGB	7, 147, 96
RGB Percent	3%, 58%, 38%
CMY	0.9715, 0.4235, 0.6235
CMYK	0.95, 0.00, 0.35, 0.42
HSL	158°, 91%, 30%
HSV	158°, 95%, 58%
XYZ	12.6349, 21.7571, 14.5995
YIQ	99.3260, -67.0690, -45.5410

Conversions

Conversions Part 2

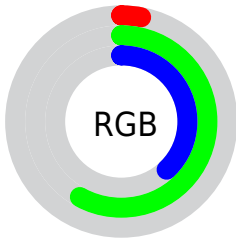
Format	Color
RYB	7, 93, 147
Decimal	496480
CIELab	53.77, -45.54, 17.92
CIELCh	54, 48.945, 158.518
Yxy	21.7571, 0.2579, 0.4441
Android (android.graphics.Color)	4278686560 (0xFF079360)
YUV	99.3260, -1.6397, -80.9699
Hunter-Lab	46.6445, -33.2765, 14.0937

Details

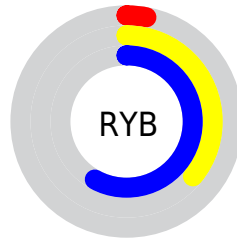
The Yxy color **21.7571, 0.2579, 0.4441** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.6685, 0.5324, 0.2756**, and the grayscale version is **12.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3261, 0.2711, 0.4155**, and **8.4062, 0.2680, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **21.6631, 0.2586, 0.4508**, and if you desaturate by 10%, it is **21.9834, 0.2571, 0.4305**.

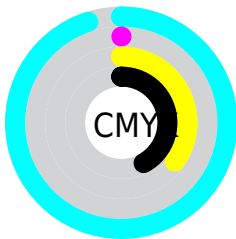
Distribution



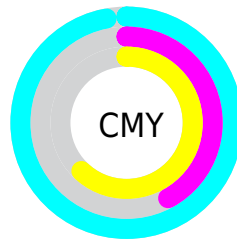
- Red (3%)
- Green (58%)
- Blue (38%)



- Red (3%)
- Yellow (36%)
- Blue (58%)



- Cyan (95%)
- Magenta (0%)
- Yellow (35%)
- Black (42%)





- Cyan (97%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7571, 0.2579, 0.4441 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 21.7571, 0.2579, 0.4441 by changing the saturation by 10% instead.


 21.7571, 0.2579,
0.4441


 21.7571, 0.2579,
0.4441


261.2752, 0.2906,
0.3754


 13.6785, 0.2473,
0.4664


 46.3442, 0.2714,
0.4157

 7.8974, 0.2318,
0.4991


 63.6215, 0.2759,
0.4062


 4.0294, 0.2073,
0.5510

 84.7339, 0.2796,
0.3985

 1.6900, 0.1385,
0.6945

 110.0657, 0.2826,
0.3922

 0.4172, 0.0000,
1.0000

 140.0013, 0.2851,
0.3870

 0.0000, 0.0000,
0.0000

 174.9252, 0.2872,

0.3825

215.2217, 0.2890,
0.3787

■ 21.7571, 0.2579,
0.4441

■ 21.7571, 0.2579,
0.4441

■ 21.6631, 0.2586,
0.4508

■ 21.9834, 0.2571,
0.4305

■ 22.3095, 0.2582,
0.4166

■ 22.7517, 0.2611,
0.4029

■ 23.3220, 0.2659,
0.3895

■ 24.0309, 0.2722,
0.3766

■ 24.8875, 0.2799,
0.3645

■ 25.9005, 0.2885,
0.3532

■ 27.0775, 0.2978,
0.3428

■ 28.4259, 0.3076,
0.3334

Harmonies

Analogous

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



21.7571, 0.3390, 0.4915



21.7571, 0.2579, 0.4441



21.7571, 0.1964, 0.3497

Triad

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



21.7571, 0.2579, 0.4441



21.7571, 0.2032, 0.1990



21.7571, 0.4838, 0.3552

Complementary

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



21.7571, 0.2579, 0.4441



6.6685, 0.5324, 0.2756

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.



21.7571, 0.4386, 0.2949



21.7571, 0.2579, 0.4441



21.7571, 0.2665, 0.2099

Square

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



21.7571, 0.2579, 0.4441



21.7571, 0.1702, 0.2154



21.7571, 0.3537, 0.2437



21.7571, 0.4727, 0.4181

Rectangle

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



21.7571, 0.2579, 0.4441



21.7571, 0.1733, 0.2896



21.7571, 0.3537, 0.2437



21.7571, 0.4749, 0.3346

Sweetspot

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



21.7580, 0.2579, 0.4441



45.5278, 0.2845, 0.3582



21.7970, 0.3239, 0.5764



10.2355, 0.2812, 0.3627



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.7580, 0.2579, 0.4441



38.7624, 0.2593, 0.4535



17.6872, 0.2147, 0.2893



6.5267, 0.3035, 0.3372



18.7864, 0.2584, 0.4501



0.2356, 0.2414, 0.3891

Inverse Universe

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



6.6685, 0.5324, 0.2756



11.5484, 0.5525, 0.2817



6.9527, 0.6132, 0.3427



5.8483, 0.3229, 0.3210



5.6102, 0.5460, 0.2781



0.0740, 0.4415, 0.2206

Previews

White Background



This preview shows how the Yxy color 21.7571, 0.2579, 0.4441 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 21.7571, 0.2579, 0.4441 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 21.7571, 0.2579, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 21.7571, 0.2579, 0.4441.



This preview shows how white text looks on a background with the Yxy color 21.7571, 0.2579, 0.4441.

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

21.7571, 0.2579, 0.4441

Protanopia

21.5462, 0.3707, 0.4001

Deuteranopia

21.5148, 0.3710, 0.3649



Tritanopia

21.7532, 0.2310, 0.3053

Trichromacy



Original Color

21.7571, 0.2579, 0.4441



Protanomaly

20.2569, 0.3073, 0.4215



Deuteranomaly

19.9640, 0.3063, 0.3950



Tritanomaly

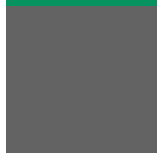
21.6859, 0.2387, 0.3518

Monochromacy



Original Color

21.7571, 0.2579, 0.4441



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.5309, 0.2741, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7571, 0.2579, 0.4441 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(7, 147, 96)` looks like.

```
.text, #text, p{  
    color:rgb(7, 147, 96)  
}
```

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(7, 147, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 147, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.7571, 0.2579, 0.4441 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(7, 147, 96) }
```

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

```
.border{ border-color:rgb(7, 147, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 147, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 147, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 147, 96);  
box-shadow:4px 4px 4px 4px rgb(7, 147, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7571, 0.2579, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 147, 96) }
```

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

```
.background{ background-color: rgb(7, 147,  
96) }
```

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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