

Converting Colors

$Yxy(21.2712, 0.2416, 0.4465)$

Have a look what the booklet for
Yxy(21.2712, 0.2416, 0.4465)
contains.

Yxy(21.7305, 0.2561, 0.4420)	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(21.7305, 0.2561, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	009361
RGB	0, 147, 97
RGB Percent	0%, 58%, 38%
CMY	1.0000, 0.4235, 0.6196
CMYK	1.00, 0.00, 0.34, 0.42
HSL	160°, 100%, 29%
HSV	160°, 100%, 58%
XYZ	12.5909, 21.7305, 14.8426
YIQ	97.3470, -71.5620, -46.7140

Conversions

Conversions Part 2

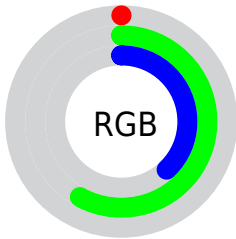
Format	Color
RYB	0, 89, 147
Decimal	37729
CIELab	53.74, -45.72, 17.31
CIELCh	54, 48.886, 159.262
Yxy	21.7305, 0.2561, 0.4420
Android (android.graphics.Color)	4278227809 (0xFF009361)
YUV	97.3470, -0.1711, -85.3733
Hunter-Lab	46.6160, -33.3654, 13.7531

Details

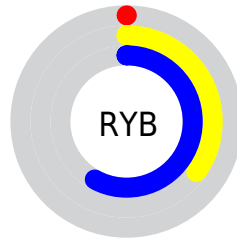
The Yxy color **21.7305, 0.2561, 0.4420** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.4336, 0.5570, 0.2842**, and the grayscale version is **12.0584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3105, 0.2700, 0.4139**, and **8.4147, 0.2671, 0.4814** is the 20% darker color. If you saturate the color by 10%, you get **21.7319, 0.2561, 0.4420**, and if you desaturate by 10%, it is **21.9272, 0.2550, 0.4293**.

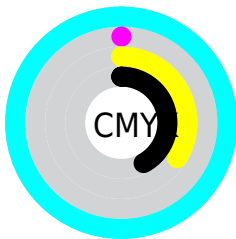
Distribution



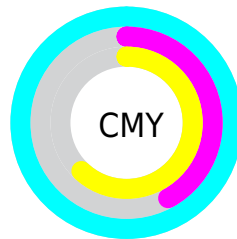
- Red (0%)
- Green (58%)
- Blue (38%)



- Red (0%)
- Yellow (35%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7305, 0.2561, 0.4420 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 21.7305, 0.2561, 0.4420 by changing the saturation by 10% instead.


 21.7305, 0.2561,
0.4420


 21.7305, 0.2561,
0.4420


261.1356, 0.2897,
0.3746


 13.6590, 0.2453,
0.4639


 46.3002, 0.2699,
0.4142

 7.8839, 0.2295,
0.4959


 63.5671, 0.2746,
0.4048


 4.0207, 0.2047,
0.5467

 84.6680, 0.2784,
0.3973


 1.6852, 0.1340,
0.6848

 109.9873, 0.2814,
0.3911

 0.4140, 0.0000,
1.0000

 139.9093, 0.2840,
0.3860

 0.0000, 0.0000,
0.0000

 174.8184, 0.2862,

0.3816

215.0991, 0.2881,
0.3778

■ 21.7305, 0.2561,
0.4420

■ 21.7305, 0.2561,
0.4420

■ 21.7319, 0.2561,
0.4420

■ 21.9272, 0.2550,
0.4293

■ 22.1975, 0.2554,
0.4166

■ 22.5764, 0.2576,
0.4038

■ 23.0769, 0.2617,
0.3912

■ 23.7101, 0.2675,
0.3790

■ 24.4857, 0.2748,
0.3674

■ 25.4125, 0.2832,
0.3566

■ 26.4987, 0.2925,
0.3465

■ 27.7518, 0.3024,
0.3373

Harmonies

Analogous

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



21.7305, 0.3369, 0.4910



21.7305, 0.2561, 0.4420



21.7305, 0.1953, 0.3473

Triad

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



21.7305, 0.2561, 0.4420



21.7305, 0.2045, 0.1991



21.7305, 0.4840, 0.3568

Complementary

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



21.7305, 0.2561, 0.4420



6.4336, 0.5570, 0.2842

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.



21.7305, 0.4402, 0.2964



21.7305, 0.2561, 0.4420



21.7305, 0.2685, 0.2105

Square

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



21.7305, 0.2561, 0.4420



21.7305, 0.1708, 0.2147



21.7305, 0.3559, 0.2449



21.7305, 0.4717, 0.4195

Rectangle

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



21.7305, 0.2561, 0.4420



21.7305, 0.1728, 0.2877



21.7305, 0.3559, 0.2449



21.7305, 0.4756, 0.3361

Sweetspot

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



21.7319, 0.2561, 0.4420



45.3973, 0.2826, 0.3572



21.5842, 0.3200, 0.5842



10.2120, 0.2793, 0.3613



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.



21.7319, 0.2561, 0.4420



38.8826, 0.2568, 0.4445



16.7621, 0.2116, 0.2816



6.5290, 0.3032, 0.3366



18.8441, 0.2559, 0.4413



0.2362, 0.2400, 0.3841

Inverse Universe

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



6.4336, 0.5570, 0.2842



11.4909, 0.5621, 0.2870



6.7791, 0.6236, 0.3431



5.8460, 0.3232, 0.3215



5.5816, 0.5555, 0.2834



0.0734, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 21.7305, 0.2561, 0.4420 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 21.7305, 0.2561, 0.4420 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 21.7305, 0.2561, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 21.7305, 0.2561, 0.4420.



This preview shows how white text looks on a background with the Yxy color 21.7305, 0.2561, 0.4420.

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

21.7305, 0.2561, 0.4420

Protanopia

21.5629, 0.3696, 0.3984

Deuteranopia

21.5348, 0.3698, 0.3632



Tritanopia

21.7270, 0.2306, 0.3053

Trichromacy



Original Color

21.7305, 0.2561, 0.4420



Protanomaly

20.1754, 0.3043, 0.4199



Deuteranomaly

19.8750, 0.3031, 0.3933



Tritanomaly

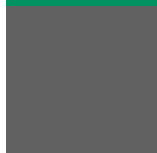
21.6179, 0.2374, 0.3519

Monochromacy



Original Color

21.7305, 0.2561, 0.4420



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.1487, 0.2709, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7305, 0.2561, 0.4420 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, 147, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 97)  
}
```

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, 147, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 97) }
```

Border

The CSS property to change the border of an element to Yxy 21.7305, 0.2561, 0.4420 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, 147, 97) }
```

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

```
.border{ border-color:rgb(0, 147, 97) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7305, 0.2561, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 97) }
```

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

```
.background{ background-color: rgb(0, 147,  
97) }
```

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