

Converting Colors

$Y_{xy}(22.0161, 0.2938, 0.3695)$

Have a look what the booklet for
Yxy(22.0161, 0.2938, 0.3695)
contains.

Yxy(21.9424, 0.2940, 0.3681)	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(21.9424, 0.2940, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	658975
RGB	101, 137, 117
RGB Percent	40%, 54%, 46%
CMY	0.6038, 0.4628, 0.5412
CMYK	0.26, 0.00, 0.15, 0.46
HSL	147°, 15%, 47%
HSV	147°, 26%, 54%
XYZ	17.5253, 21.9424, 20.1422
YIQ	123.9560, -15.0360, -13.8520

Conversions

Conversions Part 2

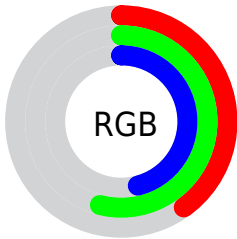
Format	Color
RYB	101, 126, 137
Decimal	6654325
CIELab	53.97, -16.99, 6.67
CIElCh	54, 18.255, 158.560
Yxy	21.9424, 0.2940, 0.3681
Android (android.graphics.Color)	4284844405 (0xFF658975)
YUV	123.9560, -3.4293, -20.1324
Hunter-Lab	46.8427, -15.1924, 7.2954

Details

The Yxy color **21.9424, 0.2940, 0.3681** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0108, 0.3371, 0.2930**, and the grayscale version is **20.1578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8985, 0.2986, 0.3597**, and **8.0029, 0.2859, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **21.0452, 0.2876, 0.3858**, and if you desaturate by 10%, it is **22.9878, 0.3009, 0.3519**.

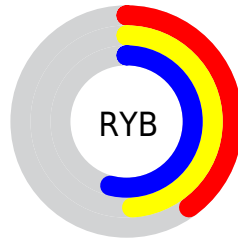
Distribution



Red (40%)

Green (54%)

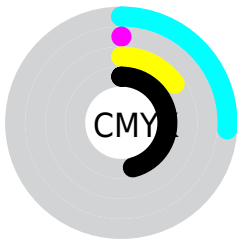
Blue (46%)



Red (40%)

Yellow (49%)

Blue (54%)

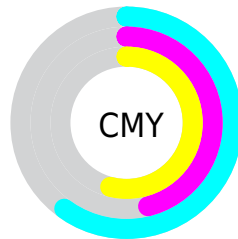


Cyan (26%)

Magenta (0%)

Yellow (15%)

Black (46%)



Cyan (60%)

Magenta (46%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9424, 0.2940, 0.3681 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 21.9424, 0.2940, 0.3681 by changing the saturation by 10% instead.


 21.9424, 0.2940,
0.3681


 21.9424, 0.2940,
0.3681


262.2453, 0.3048,
0.3456


 13.8146, 0.2907,
0.3750


 46.6508, 0.2983,
0.3590


 7.9918, 0.2859,
0.3850


 64.0001, 0.2998,
0.3559

 4.0897, 0.2786,
0.4003

 85.1921, 0.3010,
0.3534

 1.7239, 0.2659,
0.4271

 110.6111, 0.3020,
0.3513

 0.4390, 0.0055,
0.9690

140.6416, 0.3029,
0.3495

 0.0000, 0.0000,
0.0000

175.6678, 0.3036,

0.3480

216.0743, 0.3042,
0.3467

■ 21.9424, 0.2940,
0.3681

■ 21.9424, 0.2940,
0.3681

■ 21.0452, 0.2876,
0.3858

■ 22.9878, 0.3009,
0.3519

■ 20.2867, 0.2820,
0.4049

■ 24.1852, 0.3081,
0.3373

■ 19.6602, 0.2775,
0.4252

■ 25.5414, 0.3154,
0.3243

■ 19.1577, 0.2744,
0.4462

■ 27.0621, 0.3227,
0.3127

■ 18.7699, 0.2730,
0.4673

■ 28.7527, 0.3298,
0.3025

■ 18.4866, 0.2734,
0.4880

■ 30.6185, 0.3366,
0.2936

■ 18.2908, 0.2755,
0.5076

■ 32.6643, 0.3432,
0.2857

■ 18.2263, 0.2763,
0.5148

■ 34.8948, 0.3495,
0.2789

■ 37.3147, 0.3554,
0.2729

Harmonies

Analogous

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



21.9424, 0.3266, 0.3856



21.9424, 0.2940, 0.3681



21.9424, 0.2674, 0.3385

Triad

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



21.9424, 0.2940, 0.3681



21.9424, 0.2689, 0.2754



21.9424, 0.3764, 0.3447

Complementary

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



21.9424, 0.2940, 0.3681



16.0108, 0.3371, 0.2930

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.



21.9424, 0.3594, 0.3176



21.9424, 0.2940, 0.3681



21.9424, 0.2963, 0.2789

Square

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



21.9424, 0.2940, 0.3681



21.9424, 0.2535, 0.2853



21.9424, 0.3295, 0.2941



21.9424, 0.3752, 0.3696

Rectangle

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



21.9424, 0.2940, 0.3681



21.9424, 0.2562, 0.3175



21.9424, 0.3295, 0.2941



21.9424, 0.3726, 0.3356

Sweetspot

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



21.9433, 0.2940, 0.3681



42.8797, 0.3067, 0.3400



22.9254, 0.3323, 0.3960



9.5507, 0.3058, 0.3419



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.9433, 0.2940, 0.3681



38.2315, 0.2898, 0.3794



22.3969, 0.2778, 0.3334



5.6427, 0.3060, 0.3414



16.9805, 0.2762, 0.5142



0.1157, 0.2536, 0.4328

Inverse Universe

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



16.0108, 0.3371, 0.2930



25.5956, 0.3450, 0.2837



15.6177, 0.3626, 0.3247



5.0921, 0.3200, 0.3169



5.4444, 0.4674, 0.2348



0.0391, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 21.9424, 0.2940, 0.3681 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 21.9424, 0.2940, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

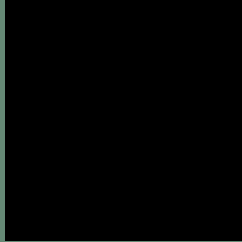
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9424, 0.2940, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 21.9424, 0.2940, 0.3681.



This preview shows how white text looks on a background with the Yxy color 21.9424, 0.2940, 0.3681.

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

21.9424, 0.2940, 0.3681

Protanopia

21.7591, 0.3392, 0.3577

Deuteranopia

21.7007, 0.3421, 0.3360



Tritanopia

21.8528, 0.2735, 0.3087

Trichromacy



Original Color

21.9424, 0.2940, 0.3681

Protanomaly

21.6585, 0.3217, 0.3606

Deuteranomaly

21.6216, 0.3225, 0.3472

Tritanomaly

21.7145, 0.2808, 0.3289

Monochromacy



Original Color

21.9424, 0.2940, 0.3681

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7940, 0.3062, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9424, 0.2940, 0.3681 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(101, 137, 117)` looks like.

```
.text, #text, p{  
    color:rgb(101, 137, 117)  
}
```

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(101, 137, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 137, 117) }
```

Border

The CSS property to change the border of an element to Yxy 21.9424, 0.2940, 0.3681 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(101, 137, 117) }
```

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

```
.border{ border-color:rgb(101, 137, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 137, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 137, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 137, 117);  
box-shadow:4px 4px 4px 4px rgb(101, 137,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9424, 0.2940, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 137, 117) }
```

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

```
.background{ background-color: rgb(101,  
137, 117) }
```

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