

Converting Colors

$Y_{xy}(21.7864, 0.2913, 0.3501)$

Have a look what the booklet for
Yxy(21.7864, 0.2913, 0.3501)
contains.

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Color

Yxy(21.7864, 0.2913, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	69877C
RGB	105, 135, 124
RGB Percent	41%, 53%, 49%
CMY	0.5882, 0.4706, 0.5138
CMYK	0.22, 0.00, 0.08, 0.47
HSL	158°, 13%, 47%
HSV	158°, 22%, 53%
XYZ	18.1273, 21.7864, 22.3153
YIQ	124.7760, -14.3490, -9.7810

Conversions

Conversions Part 2

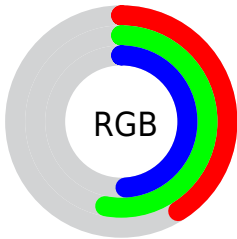
Format	Color
R_{YB}	105, 123, 135
Decimal	6915964
CIE _{Lab}	53.80, -13.05, 2.43
CIE _{LCh}	54, 13.277, 169.468
Yxy	21.7864, 0.2913, 0.3501
Android (android.graphics.Color)	4285106044 (0xFF69877C)
YUV	124.7760, -0.3826, -17.3436
Hunter-Lab	46.6759, -12.3595, 4.3271

Details

The Yxy color **21.7864, 0.2913, 0.3501** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5161, 0.3403, 0.3089**, and the grayscale version is **20.4342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2691, 0.2967, 0.3455**, and **7.8749, 0.2830, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **20.9114, 0.2825, 0.3611**, and if you desaturate by 10%, it is **22.7993, 0.3007, 0.3400**.

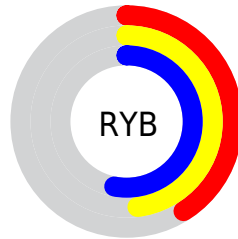
Distribution



Red (41%)

Green (53%)

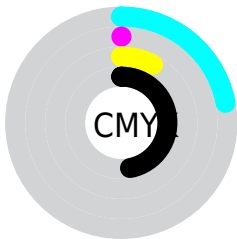
Blue (49%)



Red (41%)

Yellow (48%)

Blue (53%)

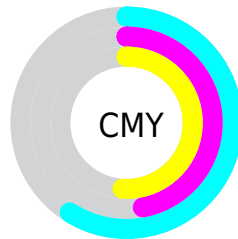


Cyan (22%)

Magenta (0%)

Yellow (8%)

Black (47%)



Cyan (59%)


Magenta (47%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7864, 0.2913, 0.3501 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 21.7864, 0.2913, 0.3501 by changing the saturation by 10% instead.


 21.7864, 0.2913,
0.3501

 21.7864, 0.2913,
0.3501


261.4288, 0.3034,
0.3381


 13.7000, 0.2877,
0.3537


 46.3927, 0.2961,
0.3453


 7.9123, 0.2826,
0.3589


 63.6814, 0.2978,
0.3436

 4.0389, 0.2749,
0.3667

 84.8064, 0.2992,
0.3423

 1.6953, 0.2619,
0.3801

 110.1520, 0.3003,
0.3412

 0.4206, 0.1027,
0.5324

140.1027, 0.3013,
0.3402

 0.0000, 0.0000,
0.0000

175.0428, 0.3021,

0.3394

215.3567, 0.3028,
0.3387

■ 21.7864, 0.2913,
0.3501

■ 21.7864, 0.2913,
0.3501

■ 20.9114, 0.2825,
0.3611

■ 22.7993, 0.3007,
0.3400

■ 20.1654, 0.2746,
0.3730

■ 23.9532, 0.3105,
0.3309

■ 19.5426, 0.2679,
0.3856

■ 25.2544, 0.3205,
0.3227

■ 19.0357, 0.2627,
0.3988

■ 26.7081, 0.3304,
0.3154

■ 18.6365, 0.2591,
0.4125

■ 28.3192, 0.3403,
0.3089

■ 18.3359, 0.2574,
0.4263

■ 30.0924, 0.3499,
0.3032

■ 18.1231, 0.2576,
0.4400

■ 32.0322, 0.3592,
0.2982

■ 17.9920, 0.2585,
0.4506

■ 34.1429, 0.3681,
0.2938

■ 36.4286, 0.3766,
0.2900

Harmonies

Analogous

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



21.7864, 0.3144, 0.3664



21.7864, 0.2913, 0.3501



21.7864, 0.2743, 0.3279

Triad

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



21.7864, 0.2913, 0.3501



21.7864, 0.2872, 0.2892



21.7864, 0.3603, 0.3482

Complementary

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



21.7864, 0.2913, 0.3501



16.5161, 0.3403, 0.3089

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.



21.7864, 0.3525, 0.3282



21.7864, 0.2913, 0.3501



21.7864, 0.3096, 0.2950

Square

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



21.7864, 0.2913, 0.3501



21.7864, 0.2720, 0.2932



21.7864, 0.3337, 0.3091



21.7864, 0.3547, 0.3643

Rectangle

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



21.7864, 0.2913, 0.3501



21.7864, 0.2684, 0.3134



21.7864, 0.3337, 0.3091



21.7864, 0.3591, 0.3417

Sweetspot

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



21.7873, 0.2913, 0.3501



41.8413, 0.3056, 0.3353



22.0964, 0.3229, 0.3861



9.6673, 0.3052, 0.3357



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.



21.7873, 0.2913, 0.3501



38.1410, 0.2865, 0.3559



21.1209, 0.2805, 0.3223



5.2506, 0.3037, 0.3371



16.5926, 0.2584, 0.4501



0.0589, 0.2415, 0.3895

Inverse Universe

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



16.5161, 0.3403, 0.3089



26.8502, 0.3490, 0.3037



17.0025, 0.3545, 0.3356



4.7149, 0.3226, 0.3211



4.9610, 0.5438, 0.2769



0.0185, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 21.7864, 0.2913, 0.3501 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 21.7864, 0.2913, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

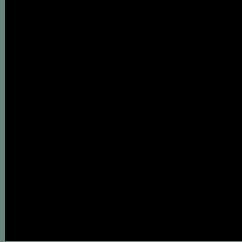
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7864, 0.2913, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 21.7864, 0.2913, 0.3501.



This preview shows how white text looks on a background with the Yxy color 21.7864, 0.2913, 0.3501.

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

21.7864, 0.2913, 0.3501

Protanopia

21.6999, 0.3264, 0.3434

Deuteranopia

21.5844, 0.3312, 0.3256



Tritanopia

21.7369, 0.2772, 0.3087

Trichromacy



Original Color

21.7864, 0.2913, 0.3501

Protanomaly

21.7507, 0.3130, 0.3475

Deuteranomaly

21.5082, 0.3160, 0.3344

Tritanomaly

21.7408, 0.2828, 0.3233

Monochromacy



Original Color

21.7864, 0.2913, 0.3501

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0327, 0.3043, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7864, 0.2913, 0.3501 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(105, 135, 124)` looks like.

```
.text, #text, p{  
    color:rgb(105, 135, 124)  
}
```

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(105, 135, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 135, 124) }
```

Border

The CSS property to change the border of an element to Yxy 21.7864, 0.2913, 0.3501 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(105, 135, 124) }
```

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

```
.border{ border-color:rgb(105, 135, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 135, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 135, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 135, 124);  
box-shadow:4px 4px 4px 4px rgb(105, 135,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7864, 0.2913, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 135, 124) }
```

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

```
.background{ background-color: rgb(105,  
135, 124) }
```

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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