

Converting Colors

$Y_{xy}(21.3135, 0.3097, 0.3875)$

Have a look what the booklet for
Yxy(21.3135, 0.3097, 0.3875)
contains.

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Color

Yxy(21.3511, 0.3099, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	698769
RGB	105, 135, 105
RGB Percent	41%, 53%, 41%
CMY	0.5884, 0.4705, 0.5883
CMYK	0.22, 0.00, 0.22, 0.47
HSL	120°, 13%, 47%
HSV	120°, 22%, 53%
XYZ	17.0358, 21.3511, 16.5850
YIQ	122.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

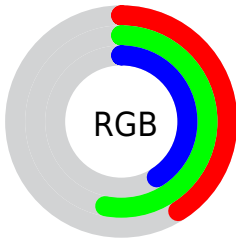
Format	Color
RYB	105, 135, 135
Decimal	6915945
CIELab	53.33, -16.93, 12.73
CIELCh	53, 21.182, 143.072
Yxy	21.3511, 0.3099, 0.3884
Android (android.graphics.Color)	4285106025 (0xFF698769)
YUV	122.6100, -8.6817, -15.4440
Hunter-Lab	46.2073, -15.0529, 11.0643

Details

The Yxy color $21.3511, 0.3099, 0.3884$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.9965, 0.3152, 0.2760$, and the grayscale version is $19.7013, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.5348, 0.3114, 0.3743$, and $7.6723, 0.3072, 0.4135$ is the 20% darker color. If you saturate the color by 10%, you get $20.3430, 0.3084, 0.4201$, and if you desaturate by 10%, it is $22.5348, 0.3113, 0.3597$.

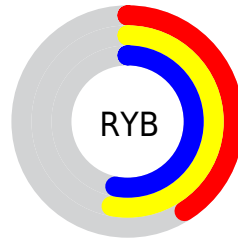
Distribution



Red (41%)

Green (53%)

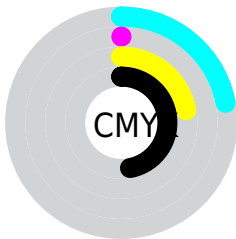
Blue (41%)



Red (41%)

Yellow (53%)

Blue (53%)

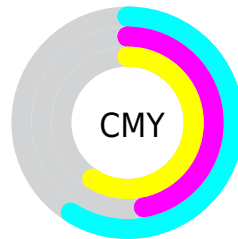


Cyan (22%)

Magenta (0%)

Yellow (22%)

Black (47%)



Cyan (59%)


Magenta (47%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3511, 0.3099, 0.3884 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 21.3511, 0.3099, 0.3884 by changing the saturation by 10% instead.


 21.3511, 0.3099,
0.3884


 21.3511, 0.3099,
0.3884


259.1386, 0.3120,
0.3538


 13.3809, 0.3090,
0.3992


 45.6711, 0.3109,
0.3744


 7.6913, 0.3074,
0.4148


 62.7897, 0.3112,
0.3696

 3.8981, 0.3044,
0.4392

 83.7266, 0.3114,
0.3657

 1.6167, 0.2996,
0.4852

 108.8661, 0.3116,
0.3625

 0.3688, 0.0000,
1.0000

138.5927, 0.3118,
0.3598

 0.0000, 0.0000,
0.0000

173.2907, 0.3119,

0.3575

213.3445, 0.3120,
0.3555

■ 21.3511, 0.3099,
0.3884

■ 21.3511, 0.3099,
0.3884

■ 20.3430, 0.3084,
0.4201

■ 22.5348, 0.3113,
0.3597

■ 19.4995, 0.3068,
0.4539

■ 23.8991, 0.3125,
0.3343

■ 18.8128, 0.3052,
0.4886

■ 25.4520, 0.3135,
0.3121

■ 18.2733, 0.3036,
0.5220

■ 27.2003, 0.3144,
0.2928

■ 17.8701, 0.3022,
0.5518

■ 29.1505, 0.3152,
0.2762

■ 17.5911, 0.3011,
0.5753

■ 31.3087, 0.3159,
0.2619

■ 17.4219, 0.3004,
0.5911

■ 33.6808, 0.3165,
0.2496

■ 17.3315, 0.3000,
0.5999

■ 36.2725, 0.3170,
0.2391

■ 39.0893, 0.3174,
0.2300

Harmonies

Analogous

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



21.3511, 0.3477, 0.3981



21.3511, 0.3099, 0.3884



21.3511, 0.2743, 0.3592

Triad

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



21.3511, 0.3099, 0.3884



21.3511, 0.2506, 0.2705



21.3511, 0.3796, 0.3304

Complementary

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



21.3511, 0.3099, 0.3884



16.9965, 0.3152, 0.2760

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.



21.3511, 0.3505, 0.3007



21.3511, 0.3099, 0.3884



21.3511, 0.2756, 0.2670

Square

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



21.3511, 0.3099, 0.3884



21.3511, 0.2415, 0.2895



21.3511, 0.3118, 0.2781



21.3511, 0.3895, 0.3616

Rectangle

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



21.3511, 0.3099, 0.3884



21.3511, 0.2563, 0.3342



21.3511, 0.3118, 0.2781



21.3511, 0.3717, 0.3201

Sweetspot

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



21.3520, 0.3099, 0.3884



41.5521, 0.3119, 0.3463



23.5023, 0.3449, 0.3823



9.5962, 0.3118, 0.3476



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.



21.3520, 0.3099, 0.3884



37.2261, 0.3091, 0.4050



21.6880, 0.2951, 0.3580



5.2048, 0.3117, 0.3514



15.9788, 0.3000, 0.5999



0.0554, 0.2999, 0.5995

Inverse Universe

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



16.9965, 0.3152, 0.2760



27.9095, 0.3159, 0.2632



16.6034, 0.3349, 0.3017



4.7628, 0.3137, 0.3076



6.3597, 0.3211, 0.1543



0.0220, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.3511, 0.3099, 0.3884 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 21.3511, 0.3099, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

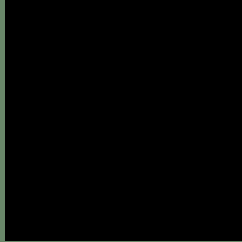
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3511, 0.3099, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 21.3511, 0.3099, 0.3884.



This preview shows how white text looks on a background with the Yxy color 21.3511, 0.3099, 0.3884.

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

21.3511, 0.3099, 0.3884

Protanopia

21.2692, 0.3523, 0.3760

Deuteranopia

21.1128, 0.3601, 0.3533



Tritanopia

21.2679, 0.2808, 0.3087

Trichromacy



Original Color

21.3511, 0.3099, 0.3884

Protanomaly

21.2097, 0.3363, 0.3816

Deuteranomaly

21.0656, 0.3403, 0.3656

Tritanomaly

21.3123, 0.2914, 0.3365

Monochromacy



Original Color

21.3511, 0.3099, 0.3884

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1527, 0.3117, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3511, 0.3099, 0.3884 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, 105)` looks like.

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

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, 105) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 21.3511, 0.3099, 0.3884 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, 105) }
```

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

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

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, 105)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 21.3511, 0.3099, 0.3884 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, 105) }
```

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

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

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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