

Converting Colors

$Y_{xy}(21.7213, 0.3238, 0.3915)$

Have a look what the booklet for
Yxy(21.7213, 0.3238, 0.3915)
contains.

Yxy(21.5869, 0.3233, 0.3907)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5869, 0.3233, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	728666
RGB	114, 134, 102
RGB Percent	45%, 53%, 40%
CMY	0.5530, 0.4745, 0.5999
CMYK	0.15, 0.00, 0.24, 0.47
HSL	98°, 14%, 46%
HSV	98°, 24%, 53%
XYZ	17.8629, 21.5869, 15.8020
YIQ	124.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

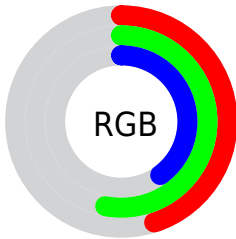
Format	Color
RYB	102, 134, 122
Decimal	7505510
CIELab	53.59, -13.54, 14.87
CIELCh	54, 20.112, 132.310
Yxy	21.5869, 0.3233, 0.3907
Android (android.graphics.Color)	4285695590 (0xFF728666)
YUV	124.3720, -11.0294, -9.0962
Hunter-Lab	46.4617, -12.6809, 12.3581

Details

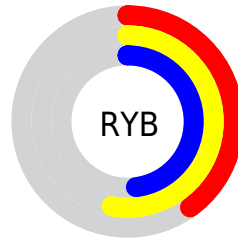
The Yxy color $21.5869, 0.3233, 0.3907$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.3695, 0.2994, 0.2693$, and the grayscale version is $20.3251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9475, 0.3213, 0.3762$, and $7.7747, 0.3270, 0.4163$ is the 20% darker color. If you saturate the color by 10%, you get $20.8062, 0.3272, 0.4199$, and if you desaturate by 10%, it is $22.4640, 0.3190, 0.3633$.

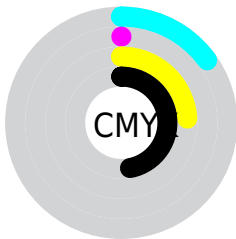
Distribution



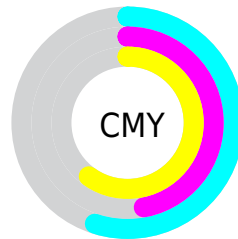
- Red (45%)
- Green (53%)
- Blue (40%)



- Red (40%)
- Yellow (53%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (47%)




- Cyan (55%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5869, 0.3233, 0.3907 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 21.5869, 0.3233, 0.3907 by changing the saturation by 10% instead.


 21.5869, 0.3233,
0.3907


 21.5869, 0.3233,
0.3907


260.3813, 0.3179,
0.3550


 13.5537, 0.3246,
0.4018


 46.0623, 0.3213,
0.3763


 7.8109, 0.3262,
0.4176


 63.2732, 0.3206,
0.3713

 3.9742, 0.3278,
0.4420

 84.3122, 0.3200,
0.3673

 1.6591, 0.3329,
0.4904

 109.5636, 0.3194,
0.3640

 0.3970, 0.1055,
0.8945

139.4118, 0.3189,
0.3612

 0.0000, 0.0000,
0.0000

174.2412, 0.3185,

0.3588

214.4363, 0.3182,
0.3568

■ 21.5869, 0.3233,
0.3907

■ 21.5869, 0.3233,
0.3907

■ 20.8062, 0.3272,
0.4199

■ 22.4640, 0.3190,
0.3633

■ 20.1157, 0.3303,
0.4503

■ 23.4380, 0.3145,
0.3381

■ 19.5127, 0.3324,
0.4807

■ 24.5129, 0.3099,
0.3153

■ 18.9931, 0.3332,
0.5097

■ 25.6916, 0.3055,
0.2948

■ 18.5527, 0.3323,
0.5358

■ 26.9769, 0.3012,
0.2765

■ 18.1868, 0.3298,
0.5574

■ 28.3716, 0.2971,
0.2603

■ 17.8896, 0.3257,
0.5733

■ 29.8783, 0.2932,
0.2459

■ 17.7329, 0.3230,
0.5817

■ 31.4994, 0.2896,
0.2331

■ 33.2374, 0.2863,
0.2218

Harmonies

Analogous

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



21.5869, 0.3574, 0.3926



21.5869, 0.3233, 0.3907



21.5869, 0.2877, 0.3689

Triad

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



21.5869, 0.3233, 0.3907



21.5869, 0.2488, 0.2784



21.5869, 0.3678, 0.3199

Complementary

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



21.5869, 0.3233, 0.3907



15.3695, 0.2994, 0.2693

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.



21.5869, 0.3358, 0.2934



21.5869, 0.3233, 0.3907



21.5869, 0.2675, 0.2697

Square

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



21.5869, 0.3233, 0.3907



21.5869, 0.2460, 0.3015



21.5869, 0.2988, 0.2754



21.5869, 0.3844, 0.3497

Rectangle

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



21.5869, 0.3233, 0.3907



21.5869, 0.2678, 0.3469



21.5869, 0.2988, 0.2754



21.5869, 0.3584, 0.3104

Sweetspot

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



21.5878, 0.3233, 0.3907



40.7091, 0.3160, 0.3461



19.8851, 0.3519, 0.3652



9.1536, 0.3162, 0.3473



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.5878, 0.3233, 0.3907



37.2183, 0.3256, 0.4074



20.9130, 0.3060, 0.3856



5.2834, 0.3169, 0.3511



16.6232, 0.3232, 0.5815



0.0615, 0.3572, 0.5546

Inverse Universe

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



15.3695, 0.2994, 0.2693



24.1543, 0.2954, 0.2537



16.1955, 0.3202, 0.2783



4.6781, 0.3082, 0.3072



3.3795, 0.2314, 0.1048



0.0159, 0.2730, 0.1278

Previews

White Background



This preview shows how the Yxy color 21.5869, 0.3233, 0.3907 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 21.5869, 0.3233, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

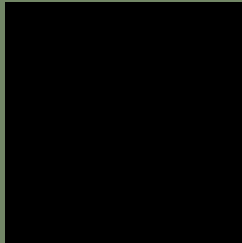
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5869, 0.3233, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 21.5869, 0.3233, 0.3907.



This preview shows how white text looks on a background with the Yxy color 21.5869, 0.3233, 0.3907.

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

21.5869, 0.3233, 0.3907

Protanopia

21.5734, 0.3555, 0.3811

Deuteranopia

21.4613, 0.3672, 0.3616



Tritanopia

21.5577, 0.2922, 0.3109

Trichromacy



Original Color

21.5869, 0.3233, 0.3907

Protanomaly

21.4746, 0.3435, 0.3845

Deuteranomaly

21.3923, 0.3513, 0.3722

Tritanomaly

21.5905, 0.3032, 0.3383

Monochromacy



Original Color

21.5869, 0.3233, 0.3907

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6924, 0.3164, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5869, 0.3233, 0.3907 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(114, 134, 102)` looks like.

```
.text, #text, p{  
    color:rgb(114, 134, 102)  
}
```

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(114, 134, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 134, 102) }
```

Border

The CSS property to change the border of an element to Yxy 21.5869, 0.3233, 0.3907 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(114, 134, 102) }
```

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

```
.border{ border-color:rgb(114, 134, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 134, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 134, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 134, 102);  
box-shadow:4px 4px 4px 4px rgb(114, 134,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5869, 0.3233, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 134, 102) }
```

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

```
.background{ background-color: rgb(114,  
134, 102) }
```

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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