

Converting Colors

$Y_{xy}(24.1421, 0.3115, 0.3473)$

Have a look what the booklet for
Yxy(24.1421, 0.3115, 0.3473)
contains.

Yxy(24.2213, 0.3118, 0.3485)	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(24.2213, 0.3118, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	7F8A7F
RGB	127, 138, 127
RGB Percent	50%, 54%, 50%
CMY	0.5020, 0.4588, 0.5020
CMYK	0.08, 0.00, 0.08, 0.46
HSL	120°, 4%, 52%
HSV	120°, 8%, 54%
XYZ	21.6706, 24.2213, 23.6097
YIQ	133.4570, -3.0250, -5.7530

Conversions

Conversions Part 2

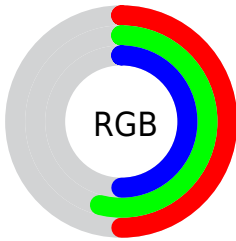
Format	Color
R_{YB}	127, 138, 138
Decimal	8358527
CIE Lab	56.31, -6.22, 4.52
CIE LCh	56, 7.686, 144.022
Yxy	24.2213, 0.3118, 0.3485
Android (android.graphics.Color)	4286548607 (0xFF7F8A7F)
YUV	133.4570, -3.1833, -5.6628
Hunter-Lab	49.2151, -7.5287, 6.0078

Details

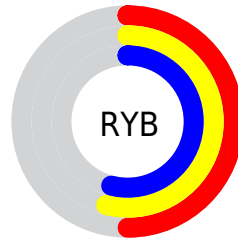
The Yxy color $24.2213, 0.3118, 0.3485$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $22.4161, 0.3136, 0.3102$, and the grayscale version is $23.6435, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.2602, 0.3120, 0.3432$, and $9.1492, 0.3115, 0.3559$ is the 20% darker color. If you saturate the color by 10%, you get $22.8988, 0.3105, 0.3759$, and if you desaturate by 10%, it is $25.7403, 0.3129, 0.3244$.

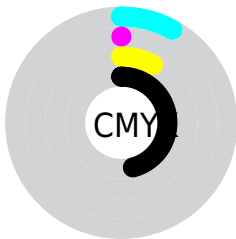
Distribution



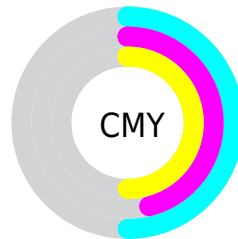
- Red (50%)
- Green (54%)
- Blue (50%)



- Red (50%)
- Yellow (54%)
- Blue (54%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (46%)



- Cyan (50%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2213, 0.3118, 0.3485 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 24.2213, 0.3118, 0.3485 by changing the saturation by 10% instead.

■ 24.2213, 0.3118,
0.3485

■ 24.2213, 0.3118,
0.3485

273.9374, 0.3124,
0.3376

■ 15.4979, 0.3116,
0.3517

■ 50.3911, 0.3120,
0.3442

■ 9.1695, 0.3113,
0.3562

■ 68.6062, 0.3121,
0.3427

■ 4.8519, 0.3108,
0.3629

■ 90.7541, 0.3122,
0.3414

■ 2.1606, 0.3100,
0.3740

117.2190, 0.3122,
0.3404

■ 0.6984, 0.3093,
0.4220

148.3854, 0.3123,
0.3395

■ 0.0000, 0.0000,
0.0000

184.6376, 0.3123,

0.3388

226.3602, 0.3123,
0.3381

■ 24.2213, 0.3118,
0.3485

■ 24.2213, 0.3118,
0.3485

■ 22.8988, 0.3105,
0.3759

■ 25.7403, 0.3129,
0.3244

■ 21.7619, 0.3091,
0.4064

■ 27.4601, 0.3139,
0.3034

■ 20.8031, 0.3075,
0.4396

■ 29.3887, 0.3148,
0.2853

■ 20.0136, 0.3059,
0.4742

■ 31.5329, 0.3155,
0.2697

■ 19.3833, 0.3043,
0.5086

■ 33.8991, 0.3161,
0.2563

■ 18.9016, 0.3028,
0.5402

■ 36.4932, 0.3167,
0.2448

■ 18.5563, 0.3016,
0.5666

■ 39.3213, 0.3171,
0.2348

■ 18.3332, 0.3007,
0.5857

■ 42.3890, 0.3175,
0.2263

■ 18.2027, 0.3001,
0.5977

■ 45.7017, 0.3179,
0.2188

Harmonies

Analogous

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



24.2213, 0.3250, 0.3525



24.2213, 0.3118, 0.3485



24.2213, 0.2990, 0.3390

Triad

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



24.2213, 0.3118, 0.3485



24.2213, 0.2907, 0.3082



24.2213, 0.3359, 0.3306

Complementary

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



24.2213, 0.3118, 0.3485



22.4161, 0.3136, 0.3102

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.



24.2213, 0.3263, 0.3193



24.2213, 0.3118, 0.3485



24.2213, 0.3002, 0.3065

Square

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



24.2213, 0.3118, 0.3485



24.2213, 0.2870, 0.3155



24.2213, 0.3132, 0.3106



24.2213, 0.3391, 0.3417

Rectangle

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



24.2213, 0.3118, 0.3485



24.2213, 0.2925, 0.3309



24.2213, 0.3132, 0.3106



24.2213, 0.3333, 0.3267

Sweetspot

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



24.2223, 0.3118, 0.3485



44.2384, 0.3125, 0.3338



25.1145, 0.3241, 0.3478



9.9309, 0.3125, 0.3335



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.



24.2223, 0.3118, 0.3485



42.1418, 0.3115, 0.3543



24.3698, 0.3063, 0.3387



5.6082, 0.3117, 0.3515



16.6658, 0.3000, 0.6000



0.1107, 0.3000, 0.5999

Inverse Universe

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



22.4161, 0.3136, 0.3102



38.1262, 0.3138, 0.3049



22.2606, 0.3197, 0.3195



5.1290, 0.3137, 0.3074



6.6361, 0.3209, 0.1542



0.0441, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 24.2213, 0.3118, 0.3485 looks on a white background.

Color Contrast Check

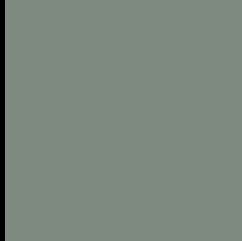
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2213, 0.3118, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

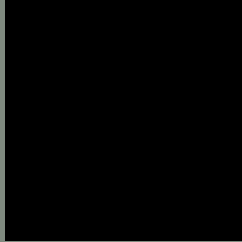
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

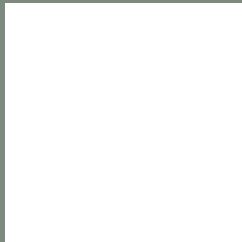
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2213, 0.3118, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 24.2213, 0.3118, 0.3485.



This preview shows how white text looks on a background with the Yxy color 24.2213, 0.3118, 0.3485.

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

24.2213, 0.3118, 0.3485

Protanopia

24.1063, 0.3292, 0.3444

Deuteranopia

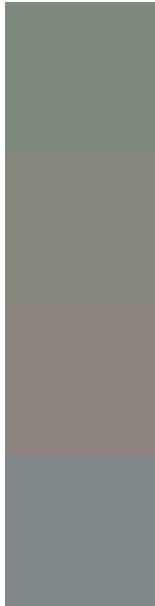
24.0343, 0.3374, 0.3307



Tritanopia

24.1491, 0.2962, 0.3102

Trichromacy



Original Color

24.2213, 0.3118, 0.3485

Protanomaly

23.9852, 0.3222, 0.3446

Deuteranomaly

24.0844, 0.3285, 0.3375

Tritanomaly

24.1395, 0.3020, 0.3238

Monochromacy



Original Color

24.2213, 0.3118, 0.3485

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7919, 0.3124, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2213, 0.3118, 0.3485 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(127, 138, 127)` looks like.

```
.text, #text, p{  
    color:rgb(127, 138, 127)  
}
```

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(127, 138, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 138, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.2213, 0.3118, 0.3485 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(127, 138, 127) }
```

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

```
.border{ border-color:rgb(127, 138, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 138, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 138, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 138, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 138,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2213, 0.3118, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 138, 127) }
```

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

```
.background{ background-color: rgb(127,  
138, 127) }
```

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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