

Converting Colors

$Y_{xy}(24.3625, 0.3290, 0.3590)$

Have a look what the booklet for
Yxy(24.3625, 0.3290, 0.3590)
contains.

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Color

Yxy(24.3983, 0.3282, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	878978
RGB	135, 137, 120
RGB Percent	53%, 54%, 47%
CMY	0.4707, 0.4627, 0.5295
CMYK	0.01, 0.00, 0.12, 0.46
HSL	67°, 7%, 50%
HSV	67°, 12%, 54%
XYZ	22.3237, 24.3983, 21.2966
YIQ	134.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

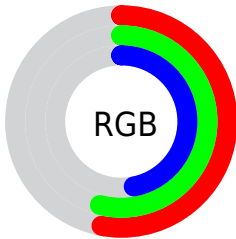
Format	Color
R_{YB}	120, 137, 122
Decimal	8882552
CIE Lab	56.48, -3.94, 8.88
CIE LCh	56, 9.713, 113.927
Yxy	24.3983, 0.3282, 0.3587
Android (android.graphics.Color)	4287072632 (0xFF878978)
YUV	134.4640, -7.1308, 0.4701
Hunter-Lab	49.3946, -5.7682, 9.0132

Details

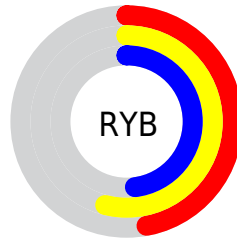
The Yxy color $24.3983, 0.3282, 0.3587$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $19.3747, 0.2962, 0.2979$, and the grayscale version is $24.0444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4968, 0.3249, 0.3521$, and $9.2156, 0.3328, 0.3685$ is the 20% darker color. If you saturate the color by 10%, you get $23.9553, 0.3409, 0.3835$, and if you desaturate by 10%, it is $24.8931, 0.3157, 0.3347$.

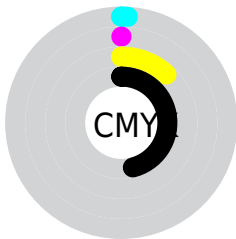
Distribution



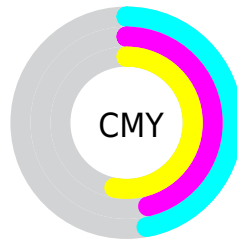
- Red (53%)
- Green (54%)
- Blue (47%)



- Red (47%)
- Yellow (54%)
- Blue (48%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)




- Cyan (47%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3983, 0.3282, 0.3587 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 24.3983, 0.3282, 0.3587 by changing the saturation by 10% instead.

 24.3983, 0.3282,
0.3587


 24.3983, 0.3282,
0.3587


274.8280, 0.3197,
0.3421


 15.6293, 0.3306,
0.3636


 50.6794, 0.3249,
0.3522

 9.2623, 0.3339,
0.3703


 68.9603, 0.3237,
0.3499

 4.9126, 0.3386,
0.3803

 91.1807, 0.3228,
0.3480

 2.1961, 0.3461,
0.3966

117.7249, 0.3220,
0.3464

 0.7179, 0.4001,
0.4900

148.9773, 0.3213,
0.3451

 0.0000, 0.0000,
0.0000

185.3224, 0.3207,

0.3440

227.1445, 0.3202,
0.3430

■ 24.3983, 0.3282,
0.3587

■ 24.3983, 0.3282,
0.3587

■ 23.9553, 0.3409,
0.3835

■ 24.8931, 0.3157,
0.3347

■ 23.5590, 0.3533,
0.4085

■ 25.4384, 0.3036,
0.3118

■ 23.2082, 0.3651,
0.4330

■ 26.0371, 0.2922,
0.2905

■ 22.9005, 0.3757,
0.4559

■ 26.6909, 0.2814,
0.2708

■ 22.6335, 0.3847,
0.4765

■ 27.4015, 0.2715,
0.2527

■ 22.4042, 0.3916,
0.4937

■ 28.1703, 0.2623,
0.2363

■ 22.2095, 0.3962,
0.5070

■ 28.9990, 0.2539,
0.2214

■ 22.0455, 0.3983,
0.5161

■ 29.8889, 0.2463,
0.2079

■ 21.9329, 0.3989,
0.5214

■ 30.8414, 0.2393,
0.1958

Harmonies

Analogous

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



24.3983, 0.3410, 0.3552



24.3983, 0.3282, 0.3587



24.3983, 0.3115, 0.3538

Triad

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



24.3983, 0.3282, 0.3587



24.3983, 0.2804, 0.3119



24.3983, 0.3298, 0.3167

Complementary

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



24.3983, 0.3282, 0.3587



19.3747, 0.2962, 0.2979

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.



24.3983, 0.3132, 0.3059



24.3983, 0.3282, 0.3587



24.3983, 0.2850, 0.3028

Square

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



24.3983, 0.3282, 0.3587



24.3983, 0.2842, 0.3261



24.3983, 0.2968, 0.3008



24.3983, 0.3420, 0.3308

Rectangle

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



24.3983, 0.3282, 0.3587



24.3983, 0.3005, 0.3463



24.3983, 0.2968, 0.3008



24.3983, 0.3246, 0.3126

Sweetspot

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



24.3994, 0.3282, 0.3587



44.4173, 0.3177, 0.3386



20.5870, 0.3338, 0.3326



9.9488, 0.3186, 0.3402



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.



24.3994, 0.3282, 0.3587



43.4466, 0.3319, 0.3659



23.7251, 0.3185, 0.3596



5.8151, 0.3241, 0.3507



20.4299, 0.3990, 0.5214



0.1397, 0.4097, 0.5129

Inverse Universe

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



19.3747, 0.2962, 0.2979



32.5631, 0.2919, 0.2900



20.0199, 0.3062, 0.2989



4.9191, 0.3008, 0.3065



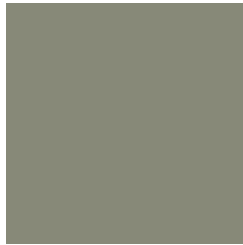
1.7913, 0.1557, 0.0631



0.0151, 0.1795, 0.0763

Previews

White Background



This preview shows how the Yxy color 24.3983, 0.3282, 0.3587 looks on a white background.

Color Contrast Check

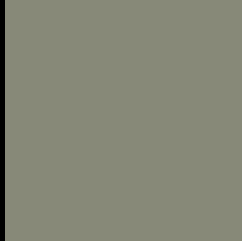
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3983, 0.3282, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

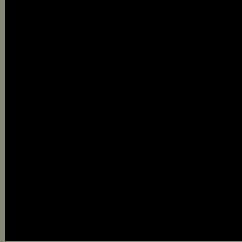
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3983, 0.3282, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 24.3983, 0.3282, 0.3587.



This preview shows how white text looks on a background with the Yxy color 24.3983, 0.3282, 0.3587.

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

24.3983, 0.3282, 0.3587

Protanopia

24.4106, 0.3379, 0.3563

Deuteranopia

24.2158, 0.3515, 0.3438



Tritanopia

24.4671, 0.3068, 0.3123

Trichromacy



Original Color

24.3983, 0.3282, 0.3587

Protanomaly

24.4292, 0.3341, 0.3583

Deuteranomaly

24.3586, 0.3422, 0.3492

Tritanomaly

24.3956, 0.3150, 0.3290

Monochromacy



Original Color

24.3983, 0.3282, 0.3587

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9813, 0.3179, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3983, 0.3282, 0.3587 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(135, 137, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 137, 120)  
}
```

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(135, 137, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 137, 120) }
```

Border

The CSS property to change the border of an element to Yxy 24.3983, 0.3282, 0.3587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

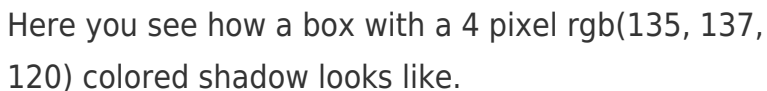
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 137, 120) }
```

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

```
.border{ border-color:rgb(135, 137, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 137, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 137, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 137, 120); box-shadow:4px 4px 4px 4px rgb(135, 137, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3983, 0.3282, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 137, 120) }
```

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

```
.background{ background-color: rgb(135,  
137, 120) }
```

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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