

Converting Colors

$Y_{xy}(13.3689, 0.2951, 0.3488)$

Have a look what the booklet for
Yxy(13.3689, 0.2951, 0.3488)
contains.

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Color

Yxy(13.3757, 0.2957, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	566B62
RGB	86, 107, 98
RGB Percent	34%, 42%, 38%
CMY	0.6627, 0.5804, 0.6157
CMYK	0.20, 0.00, 0.08, 0.58
HSL	154°, 11%, 38%
HSV	154°, 20%, 42%
XYZ	11.3006, 13.3757, 13.5400
YIQ	99.6950, -9.6270, -7.2510

Conversions

Conversions Part 2

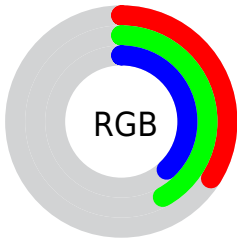
Format	Color
R_{YB}	86, 99, 107
Decimal	5663586
CIE Lab	43.32, -9.85, 2.46
CIE LCh	43, 10.147, 165.997
Yxy	13.3757, 0.2957, 0.3500
Android (android.graphics.Color)	4283853666 (0xFF566B62)
YUV	99.6950, -0.8356, -12.0105
Hunter-Lab	36.5728, -8.8481, 3.6505

Details

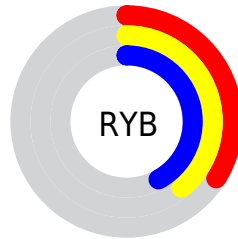
The Yxy color **13.3757, 0.2957, 0.3500** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6097, 0.3337, 0.3089**, and the grayscale version is **12.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8579, 0.2997, 0.3434**, and **3.9308, 0.2858, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **12.8215, 0.2876, 0.3623**, and if you desaturate by 10%, it is **14.0121, 0.3043, 0.3388**.

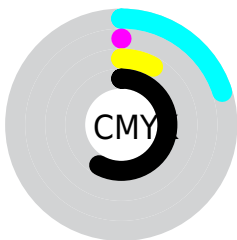
Distribution



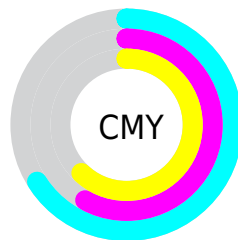
- Red (34%)
- Green (42%)
- Blue (38%)



- Red (34%)
- Yellow (39%)
- Blue (42%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)





- Cyan (66%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3757, 0.2957, 0.3500 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 13.3757, 0.2957, 0.3500 by changing the saturation by 10% instead.


 13.3757, 0.2957,
0.3500


 13.3757, 0.2957,
0.3500


213.3116, 0.3060,
0.3372

 7.6878, 0.2922,
0.3544


 31.9771, 0.3000,
0.3446

 3.8958, 0.2868,
0.3611

 45.6594, 0.3015,
0.3428

 1.6155, 0.2778,
0.3727

 62.7752, 0.3026,
0.3414

 0.3680, 0.1549,
0.5209

 83.7090, 0.3036,
0.3403

 0.0000, 0.0000,
0.0000

 108.8451, 0.3043,
0.3393

138.5680, 0.3050,

0.3385

173.2621, 0.3055,
0.3378

■ 13.3757, 0.2957,
0.3500

■ 13.3757, 0.2957,
0.3500

■ 12.8215, 0.2876,
0.3623

■ 14.0121, 0.3043,
0.3388

■ 12.3443, 0.2802,
0.3757

■ 14.7322, 0.3131,
0.3286

■ 11.9409, 0.2738,
0.3900

■ 15.5396, 0.3219,
0.3195

■ 11.6075, 0.2686,
0.4050

■ 16.4372, 0.3307,
0.3114

■ 11.3394, 0.2649,
0.4207

■ 17.4279, 0.3394,
0.3043

■ 11.1319, 0.2629,
0.4365

■ 18.5142, 0.3478,
0.2979

■ 10.9791, 0.2627,
0.4524

■ 19.6987, 0.3558,
0.2924

■ 10.8580, 0.2635,
0.4681

■ 20.9838, 0.3636,
0.2875

■ 10.8535, 0.2635,
0.4687

■ 22.3719, 0.3710,
0.2832

Harmonies

Analogous

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



13.3757, 0.3168, 0.3636



13.3757, 0.2957, 0.3500



13.3757, 0.2795, 0.3304

Triad

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



13.3757, 0.2957, 0.3500



13.3757, 0.2877, 0.2930



13.3757, 0.3552, 0.3444

Complementary

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



13.3757, 0.2957, 0.3500



10.6097, 0.3337, 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.



13.3757, 0.3469, 0.3262



13.3757, 0.2957, 0.3500



13.3757, 0.3074, 0.2973

Square

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



13.3757, 0.2957, 0.3500



13.3757, 0.2750, 0.2978



13.3757, 0.3292, 0.3092



13.3757, 0.3516, 0.3595

Rectangle

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



13.3757, 0.2957, 0.3500



13.3757, 0.2734, 0.3172



13.3757, 0.3292, 0.3092



13.3757, 0.3537, 0.3385

Sweetspot

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



13.3763, 0.2957, 0.3500



25.5174, 0.3073, 0.3352



13.6262, 0.3231, 0.3773



6.1626, 0.3069, 0.3356



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.3763, 0.2957, 0.3500



23.4312, 0.2915, 0.3561



13.2666, 0.2849, 0.3257



3.4710, 0.3048, 0.3381



13.1975, 0.2639, 0.4702



67.0705, 0.2663, 0.4788

Inverse Universe

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



10.6097, 0.3337, 0.3089



17.4085, 0.3404, 0.3035



10.6810, 0.3480, 0.3323



3.1363, 0.3214, 0.3201



4.0359, 0.5165, 0.2619



20.3971, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 13.3757, 0.2957, 0.3500 looks on a white 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

Black Background



This preview shows how the Yxy color 13.3757, 0.2957, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

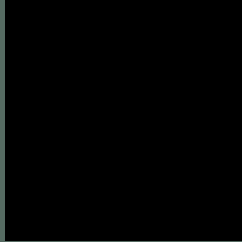
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3757, 0.2957, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 13.3757, 0.2957, 0.3500.



This preview shows how white text looks on a background with the Yxy color 13.3757, 0.2957, 0.3500.

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

13.3757, 0.2957, 0.3500

Protanopia

13.3931, 0.3281, 0.3444

Deuteranopia

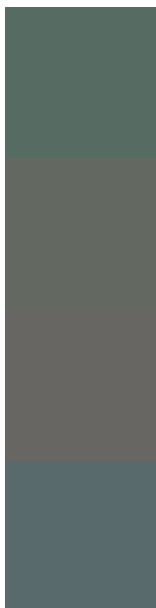
13.3545, 0.3323, 0.3270



Tritanopia

13.4193, 0.2817, 0.3110

Trichromacy



Original Color

13.3757, 0.2957, 0.3500

Protanomaly

13.3978, 0.3161, 0.3470

Deuteranomaly

13.2872, 0.3182, 0.3356

Tritanomaly

13.4655, 0.2863, 0.3244

Monochromacy



Original Color

13.3757, 0.2957, 0.3500

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0342, 0.3066, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3757, 0.2957, 0.3500 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(86, 107, 98) looks like.

```
.text, #text, p{  
    color:rgb(86, 107, 98)  
}
```

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(86, 107, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 107, 98) }
```

Border

The CSS property to change the border of an element to Yxy 13.3757, 0.2957, 0.3500 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(86, 107, 98) }
```

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

```
.border{ border-color:rgb(86, 107, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 107, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 107, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 107, 98);  
box-shadow:4px 4px 4px 4px rgb(86, 107,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3757, 0.2957, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 107, 98) }
```

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

```
.background{ background-color: rgb(86, 107,  
98) }
```

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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