

Converting Colors

$Y_{xy}(36.4559, 0.3050, 0.3826)$

Have a look what the booklet for
Yxy(36.4559, 0.3050, 0.3826)
contains.

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Color

Yxy(36.3557, 0.3050, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	85AC8B
RGB	133, 172, 139
RGB Percent	52%, 67%, 55%
CMY	0.4786, 0.3254, 0.4549
CMYK	0.23, 0.00, 0.19, 0.33
HSL	129°, 19%, 60%
HSV	129°, 23%, 67%
XYZ	29.0807, 36.3557, 29.9103
YIQ	156.5770, -12.6510, -18.5310

Conversions

Conversions Part 2

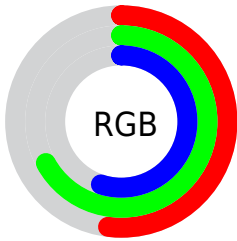
Format	Color
RYB	133, 167, 172
Decimal	8760459
CIELab	66.79, -19.94, 12.73
CIELCh	67, 23.656, 147.441
Yxy	36.3557, 0.3050, 0.3813
Android (android.graphics.Color)	4286950539 (0xFF85AC8B)
YUV	156.5770, -8.6655, -20.6770
Hunter-Lab	60.2957, -19.4265, 12.7956

Details

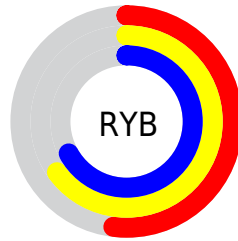
The Yxy color $36.3557, 0.3050, 0.3813$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $28.2884, 0.3215, 0.2818$, and the grayscale version is $33.5583, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.9019, 0.3067, 0.3705$, and $15.9480, 0.3012, 0.4003$ is the 20% darker color. If you saturate the color by 10%, you get $34.6732, 0.3017, 0.4087$, and if you desaturate by 10%, it is $38.3270, 0.3084, 0.3565$.

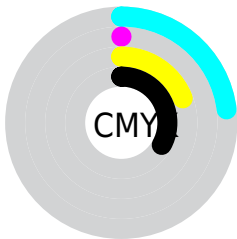
Distribution



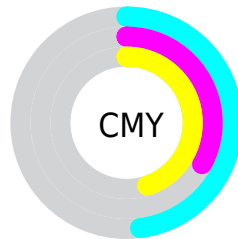
- Red (52%)
- Green (67%)
- Blue (55%)



- Red (52%)
- Yellow (65%)
- Blue (67%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (33%)





- Cyan (48%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3557, 0.3050, 0.3813 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 36.3557, 0.3050, 0.3813 by changing the saturation by 10% instead.

 36.3557, 0.3050,
0.3813


 36.3557, 0.3050,
0.3813


330.5126, 0.3095,
0.3532


 24.7090, 0.3037,
0.3890


 69.5807, 0.3068,
0.3706

 15.8604, 0.3018,
0.3994


 91.9279, 0.3074,
0.3667

 9.4254, 0.2989,
0.4141


 118.6106, 0.3079,
0.3635

 5.0197, 0.2943,
0.4365

150.0134, 0.3083,
0.3608

 2.2588, 0.2856,
0.4742

186.5206, 0.3087,
0.3585

 0.7518, 0.2326,
0.7674

228.5166, 0.3090,

 0.0000, 0.0000,

0.3565

0.0000

276.3858, 0.3092,
0.3547

■ 36.3557, 0.3050,
0.3813

■ 36.3557, 0.3050,
0.3813

■ 34.6732, 0.3017,
0.4087

■ 38.3270, 0.3084,
0.3565

■ 33.2617, 0.2987,
0.4384

■ 40.5951, 0.3118,
0.3345

■ 32.1081, 0.2962,
0.4693

■ 43.1732, 0.3151,
0.3152


■ 31.1967, 0.2944,
0.5003


■ 46.0724, 0.3182,
0.2983


■ 30.5099, 0.2936,
0.5295


■ 49.3033, 0.3211,
0.2837

 30.0279, 0.2938,
0.5550

 52.8759, 0.3238,
0.2711

 29.7270, 0.2951,
0.5752

 56.7999, 0.3263,
0.2602

 29.5872, 0.2962,
0.5862

 57.9898, 0.3165,
0.2479

Harmonies

Analogous

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



36.3557, 0.3407, 0.3935



36.3557, 0.3050, 0.3813



36.3557, 0.2726, 0.3523

Triad

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



36.3557, 0.3050, 0.3813



36.3557, 0.2570, 0.2728



36.3557, 0.3778, 0.3349

Complementary

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



36.3557, 0.3050, 0.3813



28.2884, 0.3215, 0.2818

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.



36.3557, 0.3528, 0.3063



36.3557, 0.3050, 0.3813



36.3557, 0.2824, 0.2715

Square

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



36.3557, 0.3050, 0.3813



36.3557, 0.2460, 0.2887



36.3557, 0.3173, 0.2836



36.3557, 0.3841, 0.3637

Rectangle

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



36.3557, 0.3050, 0.3813



36.3557, 0.2570, 0.3289



36.3557, 0.3173, 0.2836



36.3557, 0.3713, 0.3250

Sweetspot

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



36.3572, 0.3050, 0.3813



71.7462, 0.3103, 0.3439



39.3259, 0.3406, 0.3855



15.5413, 0.3101, 0.3451



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.3572, 0.3050, 0.3813



64.4233, 0.3034, 0.3941



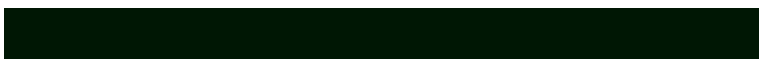
36.9736, 0.2899, 0.3501



8.9588, 0.3096, 0.3487



22.0195, 0.2958, 0.5850



0.6186, 0.2831, 0.5390

Inverse Universe

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



28.2884, 0.3215, 0.2818



47.3028, 0.3237, 0.2716



27.6312, 0.3425, 0.3089



8.1265, 0.3160, 0.3100



8.0638, 0.3636, 0.1776



0.2300, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 36.3557, 0.3050, 0.3813 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.3557, 0.3050, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

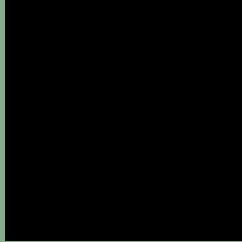
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3557, 0.3050, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 36.3557, 0.3050, 0.3813.



This preview shows how white text looks on a background with the Yxy color 36.3557, 0.3050, 0.3813.

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

36.3557, 0.3050, 0.3813

Protanopia

36.2198, 0.3472, 0.3696

Deuteranopia

36.0442, 0.3556, 0.3485



Tritanopia

36.1432, 0.2788, 0.3082

Trichromacy



Original Color

36.3557, 0.3050, 0.3813

Protanomaly

36.2181, 0.3304, 0.3742

Deuteranomaly

35.8707, 0.3356, 0.3598

Tritanomaly

36.0402, 0.2879, 0.3335

Monochromacy



Original Color

36.3557, 0.3050, 0.3813

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3386, 0.3100, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3557, 0.3050, 0.3813 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(133, 172, 139)` looks like.

```
.text, #text, p{  
    color:rgb(133, 172, 139)  
}
```

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(133, 172, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 172, 139) }
```

Border

The CSS property to change the border of an element to Yxy 36.3557, 0.3050, 0.3813 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(133, 172, 139) }
```

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

```
.border{ border-color:rgb(133, 172, 139) }
```

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

Here you see how a box with a 4 pixel rgb(133, 172, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 172, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 172, 139);  
box-shadow:4px 4px 4px 4px rgb(133, 172,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3557, 0.3050, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 172, 139) }
```

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

```
.background{ background-color: rgb(133,  
172, 139) }
```

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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