

Converting Colors

$Yxy(36.3942, 0.3098, 0.3905)$

Have a look what the booklet for
Yxy(36.3942, 0.3098, 0.3905)
contains.

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Color

Yxy(36.2946, 0.3099, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	86AC86
RGB	134, 172, 134
RGB Percent	53%, 67%, 53%
CMY	0.4744, 0.3255, 0.4744
CMYK	0.22, 0.00, 0.22, 0.33
HSL	120°, 19%, 60%
HSV	120°, 22%, 67%
XYZ	28.8921, 36.2946, 28.0437
YIQ	156.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

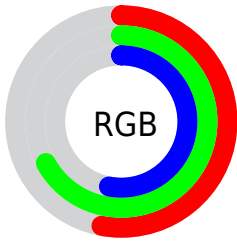
Format	Color
RYB	134, 172, 172
Decimal	8825990
CIELab	66.74, -20.47, 15.41
CIELCh	67, 25.622, 143.018
Yxy	36.2946, 0.3099, 0.3893
Android (android.graphics.Color)	4287016070 (0xFF86AC86)
YUV	156.3060, -10.9969, -19.5624
Hunter-Lab	60.2450, -19.8243, 14.5723

Details

The Yxy color $36.2946, 0.3099, 0.3893$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $28.8025, 0.3152, 0.2753$, and the grayscale version is $33.4471, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7660, 0.3111, 0.3778$, and $15.9120, 0.3076, 0.4119$ is the 20% darker color. If you saturate the color by 10%, you get $34.5543, 0.3084, 0.4217$, and if you desaturate by 10%, it is $38.3458, 0.3113, 0.3599$.

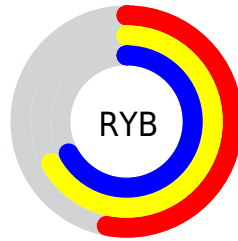
Distribution



Red (53%)

Green (67%)

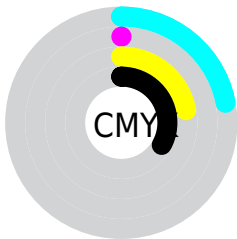
Blue (53%)



Red (53%)

Yellow (67%)

Blue (67%)

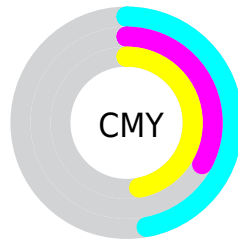


Cyan (22%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2946, 0.3099, 0.3893 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 36.2946, 0.3099, 0.3893 by changing the saturation by 10% instead.


 36.2946, 0.3099,
0.3893


 36.2946, 0.3099,
0.3893


330.2464, 0.3119,
0.3568


 24.6618, 0.3091,
0.3983


 69.4865, 0.3108,
0.3769

 15.8253, 0.3080,
0.4103


 91.8145, 0.3111,
0.3724

 9.4006, 0.3061,
0.4274


 118.4762, 0.3113,
0.3687

 5.0034, 0.3026,
0.4533

149.8562, 0.3115,
0.3656

 2.2492, 0.2952,
0.4969

186.3388, 0.3116,
0.3629

 0.7466, 0.2195,
0.7805

228.3085, 0.3118,

 0.0000, 0.0000,

0.3606

0.0000

276.1495, 0.3119,
0.3586

■ 36.2946, 0.3099,
0.3893

■ 36.2946, 0.3099,
0.3893

■ 34.5543, 0.3084,
0.4217

■ 38.3458, 0.3113,
0.3599

■ 33.1053, 0.3068,
0.4564

■ 40.7170, 0.3125,
0.3340

■ 31.9332, 0.3051,
0.4918


■ 43.4228, 0.3135,
0.3113

■ 31.0202, 0.3035,
0.5257

■ 46.4756, 0.3145,
0.2918

■ 30.3469, 0.3021,
0.5554


■ 49.8868, 0.3152,
0.2750

 29.8906, 0.3010,
0.5784

 53.6678, 0.3159,
0.2606

 29.6247, 0.3003,
0.5930

 57.8291, 0.3165,
0.2483

 29.5036, 0.3000,
0.6000

 57.9832, 0.3165,
0.2479

Harmonies

Analogous

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



36.2946, 0.3482, 0.3991



36.2946, 0.3099, 0.3893



36.2946, 0.2738, 0.3597

Triad

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



36.2946, 0.3099, 0.3893



36.2946, 0.2497, 0.2698



36.2946, 0.3805, 0.3304

Complementary

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



36.2946, 0.3099, 0.3893



28.8025, 0.3152, 0.2753

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.



36.2946, 0.3509, 0.3003



36.2946, 0.3099, 0.3893



36.2946, 0.2750, 0.2663

Square

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



36.2946, 0.3099, 0.3893



36.2946, 0.2406, 0.2890



36.2946, 0.3117, 0.2774



36.2946, 0.3905, 0.3619

Rectangle

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



36.2946, 0.3099, 0.3893



36.2946, 0.2556, 0.3343



36.2946, 0.3117, 0.2774



36.2946, 0.3724, 0.3199

Sweetspot

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



36.2961, 0.3099, 0.3893



71.6261, 0.3119, 0.3467



39.7547, 0.3455, 0.3821



15.5133, 0.3118, 0.3481



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.



36.2961, 0.3099, 0.3893



64.3973, 0.3093, 0.4032



36.8524, 0.2954, 0.3595



8.9395, 0.3116, 0.3524



21.9570, 0.3000, 0.6000



0.6109, 0.3001, 0.6000

Inverse Universe

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



28.8025, 0.3152, 0.2753



48.6040, 0.3157, 0.2645



28.1469, 0.3346, 0.3004



8.1479, 0.3138, 0.3067



8.7378, 0.3208, 0.1541



0.2431, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 36.2946, 0.3099, 0.3893 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 36.2946, 0.3099, 0.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

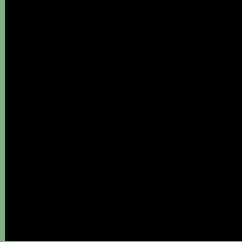
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2946, 0.3099, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 36.2946, 0.3099, 0.3893.



This preview shows how white text looks on a background with the Yxy color 36.2946, 0.3099, 0.3893.

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

36.2946, 0.3099, 0.3893

Protanopia

36.1963, 0.3529, 0.3768

Deuteranopia

36.0222, 0.3616, 0.3554



Tritanopia

36.2779, 0.2811, 0.3097

Trichromacy



Original Color

36.2946, 0.3099, 0.3893

Protanomaly

36.1802, 0.3358, 0.3817

Deuteranomaly

35.8337, 0.3412, 0.3672

Tritanomaly

36.1386, 0.2911, 0.3366

Monochromacy



Original Color

36.2946, 0.3099, 0.3893

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2747, 0.3117, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2946, 0.3099, 0.3893 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(134, 172, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 134)  
}
```

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(134, 172, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 134) }
```

Border

The CSS property to change the border of an element to Yxy 36.2946, 0.3099, 0.3893 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(134, 172, 134) }
```

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

```
.border{ border-color:rgb(134, 172, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2946, 0.3099, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 134) }
```

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

```
.background{ background-color: rgb(134,  
172, 134) }
```

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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