

Converting Colors

$Y_{xy}(34.7165, 0.2860, 0.3934)$

Have a look what the booklet for
Yxy(34.7165, 0.2860, 0.3934)
contains.

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Color

Yxy(34.7006, 0.2862, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	6AAD87
RGB	106, 173, 135
RGB Percent	42%, 68%, 53%
CMY	0.5845, 0.3215, 0.4705
CMYK	0.39, 0.00, 0.22, 0.32
HSL	146°, 29%, 55%
HSV	146°, 39%, 68%
XYZ	25.2577, 34.7006, 28.2935
YIQ	148.6350, -27.7340, -26.0220

Conversions

Conversions Part 2

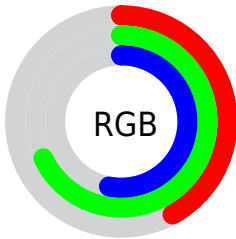
Format	Color
RYB	106, 153, 173
Decimal	6991239
CIELab	65.51, -29.90, 12.92
CIELCh	66, 32.572, 156.636
Yxy	34.7006, 0.2862, 0.3932
Android (android.graphics.Color)	4285181319 (0xFF6AAD87)
YUV	148.6350, -6.7221, -37.3909
Hunter-Lab	58.9072, -26.5521, 12.7577

Details

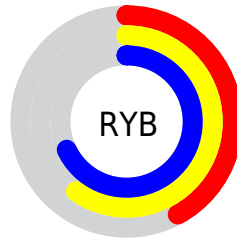
The Yxy color **34.7006, 0.2862, 0.3932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.1971, 0.3532, 0.2731**, and the grayscale version is **29.9284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1430, 0.2922, 0.3803**, and **14.8731, 0.2767, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **33.4837, 0.2809, 0.4135**, and if you desaturate by 10%, it is **36.1596, 0.2924, 0.3743**.

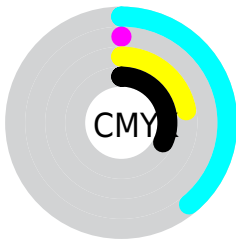
Distribution



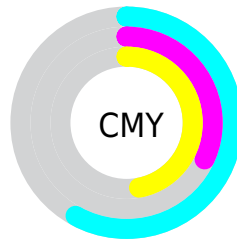
- Red (42%)
- Green (68%)
- Blue (53%)



- Red (42%)
- Yellow (60%)
- Blue (68%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (32%)



- Cyan (58%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7006, 0.2862, 0.3932 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 34.7006, 0.2862, 0.3932 by changing the saturation by 10% instead.


 34.7006, 0.2862,
0.3932


 34.7006, 0.2862,
0.3932


323.2448, 0.3008,
0.3582


 23.4323, 0.2821,
0.4031


 67.0217, 0.2918,
0.3797


 14.9131, 0.2764,
0.4164

 88.8433, 0.2938,
0.3749

 8.7584, 0.2683,
0.4357


 114.9515, 0.2955,
0.3709

 4.5839, 0.2556,
0.4654

 145.7306, 0.2969,
0.3675

 2.0053, 0.2332,
0.5173

181.5652, 0.2981,
0.3647

 0.6105, 0.0000,
1.0000

222.8394, 0.2991,

 0.0000, 0.0000,

0.3622

0.0000

269.9379, 0.3000,
0.3600

■ 34.7006, 0.2862,
0.3932

■ 34.7006, 0.2862,
0.3932

■ 33.4837, 0.2809,
0.4135

■ 36.1596, 0.2924,
0.3743

■ 32.4910, 0.2769,
0.4349

■ 37.8689, 0.2992,
0.3570

■ 31.7089, 0.2745,
0.4569


■ 39.8415, 0.3063,
0.3413

■ 31.1203, 0.2738,
0.4787

■ 42.0884, 0.3136,
0.3274

■ 30.7056, 0.2751,
0.4997


■ 44.6198, 0.3209,
0.3150

 30.4291, 0.2779,
0.5193

 47.4455, 0.3280,
0.3041

 30.3983, 0.2782,
0.5216

 50.5746, 0.3349,
0.2945

 54.0160, 0.3415,
0.2862

 56.4917, 0.3421,
0.2779

Harmonies

Analogous

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



34.7006, 0.3355, 0.4187



34.7006, 0.2862, 0.3932



34.7006, 0.2461, 0.3460

Triad

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



34.7006, 0.2862, 0.3932



34.7006, 0.2448, 0.2495



34.7006, 0.4099, 0.3478

Complementary

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



34.7006, 0.2862, 0.3932



21.1971, 0.3532, 0.2731

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.



34.7006, 0.3819, 0.3085



34.7006, 0.2862, 0.3932



34.7006, 0.2840, 0.2542

Square

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



34.7006, 0.2862, 0.3932



34.7006, 0.2240, 0.2637



34.7006, 0.3344, 0.2753



34.7006, 0.4089, 0.3860

Rectangle

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



34.7006, 0.2862, 0.3932



34.7006, 0.2293, 0.3127



34.7006, 0.3344, 0.2753



34.7006, 0.4036, 0.3344

Sweetspot

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



34.7020, 0.2862, 0.3932



70.0712, 0.3038, 0.3465



36.8556, 0.3412, 0.4331



15.1314, 0.3029, 0.3485



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.



34.7020, 0.2862, 0.3932



60.1471, 0.2814, 0.4116



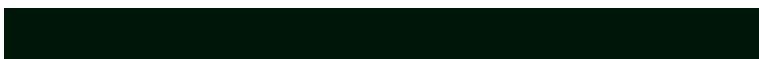
35.7996, 0.2628, 0.3360



8.9948, 0.3059, 0.3421



22.3405, 0.2777, 0.5196



0.6326, 0.2606, 0.4580

Inverse Universe

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



21.1971, 0.3532, 0.2731



32.3311, 0.3668, 0.2603



20.3201, 0.4003, 0.3225



8.0885, 0.3201, 0.3162



7.1867, 0.4650, 0.2335



0.2106, 0.4106, 0.2036

Previews

White Background



This preview shows how the Yxy color 34.7006, 0.2862, 0.3932 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 34.7006, 0.2862, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

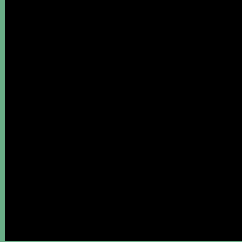
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7006, 0.2862, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 34.7006, 0.2862, 0.3932.



This preview shows how white text looks on a background with the Yxy color 34.7006, 0.2862, 0.3932.

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

34.7006, 0.2862, 0.3932

Protanopia

34.3371, 0.3509, 0.3734

Deuteranopia

34.3498, 0.3543, 0.3489



Tritanopia

34.6457, 0.2607, 0.3087

Trichromacy



Original Color

34.7006, 0.2862, 0.3932

Protanomaly

33.8528, 0.3236, 0.3795

Deuteranomaly

33.7489, 0.3257, 0.3629

Tritanomaly

34.5010, 0.2692, 0.3369

Monochromacy



Original Color

34.7006, 0.2862, 0.3932

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.4539, 0.3012, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7006, 0.2862, 0.3932 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(106, 173, 135)` looks like.

```
.text, #text, p{  
    color:rgb(106, 173, 135)  
}
```

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(106, 173, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 173, 135) }
```

Border

The CSS property to change the border of an element to Yxy 34.7006, 0.2862, 0.3932 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(106, 173, 135) }
```

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

```
.border{ border-color:rgb(106, 173, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 173, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 173, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 173, 135);  
box-shadow:4px 4px 4px 4px rgb(106, 173,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7006, 0.2862, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 173, 135) }
```

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

```
.background{ background-color: rgb(106,  
173, 135) }
```

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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