

Converting Colors

$Y_{xy}(34.7071, 0.2814, 0.3895)$

Have a look what the booklet for
Yxy(34.7071, 0.2814, 0.3895)
contains.

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Color

Yxy(34.5469, 0.2812, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	66AD8A
RGB	102, 173, 138
RGB Percent	40%, 68%, 54%
CMY	0.5999, 0.3216, 0.4589
CMYK	0.41, 0.00, 0.20, 0.32
HSL	150°, 30%, 54%
HSV	150°, 41%, 68%
XYZ	25.0118, 34.5469, 29.3880
YIQ	147.7810, -31.0810, -25.9370

Conversions

Conversions Part 2

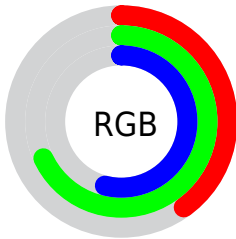
Format	Color
RYB	102, 149, 173
Decimal	6729098
CIELab	65.39, -30.43, 11.08
CIELCh	65, 32.384, 159.984
Yxy	34.5469, 0.2812, 0.3884
Android (android.graphics.Color)	4284919178 (0xFF66AD8A)
YUV	147.7810, -4.8220, -40.1499
Hunter-Lab	58.7766, -26.9001, 11.4989

Details

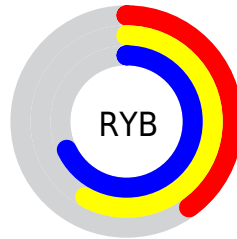
The Yxy color $34.5469, 0.2812, 0.3884$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.2003, 0.3636, 0.2771$, and the grayscale version is $29.5513, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.8681, 0.2881, 0.3767$, and $14.7905, 0.2699, 0.4096$ is the 20% darker color. If you saturate the color by 10%, you get $33.4029, 0.2755, 0.4062$, and if you desaturate by 10%, it is $35.9241, 0.2880, 0.3718$.

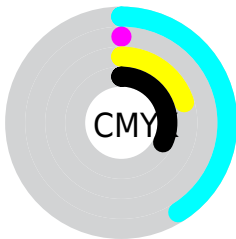
Distribution



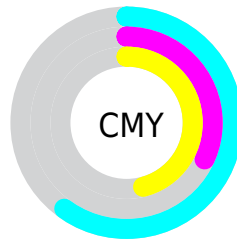
- Red (40%)
- Green (68%)
- Blue (54%)



- Red (40%)
- Yellow (58%)
- Blue (68%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (32%)





- Cyan (60%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5469, 0.2812, 0.3884 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 34.5469, 0.2812, 0.3884 by changing the saturation by 10% instead.

 34.5469, 0.2812,
0.3884


 34.5469, 0.2812,
0.3884


322.5638, 0.2983,
0.3560


 23.3141, 0.2764,
0.3975

 66.7832, 0.2878,
0.3759


 14.8256, 0.2700,
0.4098


 88.5555, 0.2901,
0.3715

 8.6971, 0.2608,
0.4275


 114.6098, 0.2921,
0.3678

 4.5441, 0.2467,
0.4548

 145.3303, 0.2937,
0.3647

 1.9824, 0.2224,
0.5025

181.1016, 0.2951,
0.3620

 0.5972, 0.0000,
1.0000

222.3080, 0.2963,

 0.0000, 0.0000,

0.3598

0.0000

269.3340, 0.2974,
0.3578

■ 34.5469, 0.2812,
0.3884

■ 34.5469, 0.2812,
0.3884

■ 33.4029, 0.2755,
0.4062

■ 35.9241, 0.2880,
0.3718

■ 32.4742, 0.2712,
0.4248

■ 37.5428, 0.2955,
0.3565

■ 31.7470, 0.2686,
0.4439


■ 39.4160, 0.3036,
0.3427

■ 31.2041, 0.2679,
0.4631

■ 41.5545, 0.3119,
0.3302

■ 30.8251, 0.2692,
0.4817


■ 43.9684, 0.3202,
0.3191

 30.5860, 0.2716,
0.4977

 46.6675, 0.3285,
0.3093

 49.6608, 0.3365,
0.3007

 52.9572, 0.3443,
0.2931

 56.0436, 0.3494,
0.2862

Harmonies

Analogous

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



34.5469, 0.3299, 0.4169



34.5469, 0.2812, 0.3884



34.5469, 0.2430, 0.3403

Triad

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



34.5469, 0.2812, 0.3884



34.5469, 0.2486, 0.2494



34.5469, 0.4109, 0.3522

Complementary

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



34.5469, 0.2812, 0.3884



20.2003, 0.3636, 0.2771

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.



34.5469, 0.3859, 0.3128



34.5469, 0.2812, 0.3884



34.5469, 0.2894, 0.2561

Square

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



34.5469, 0.2812, 0.3884



34.5469, 0.2257, 0.2614



34.5469, 0.3400, 0.2787



34.5469, 0.4066, 0.3896

Rectangle

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



34.5469, 0.2812, 0.3884



34.5469, 0.2277, 0.3076



34.5469, 0.3400, 0.2787



34.5469, 0.4057, 0.3389

Sweetspot

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



34.5483, 0.2812, 0.3884



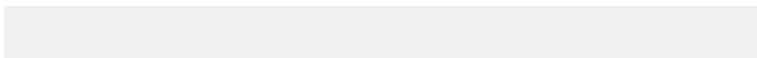
70.1696, 0.3026, 0.3442



36.2092, 0.3381, 0.4413



15.1547, 0.3016, 0.3459



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.



34.5483, 0.2812, 0.3884



60.0417, 0.2761, 0.4040



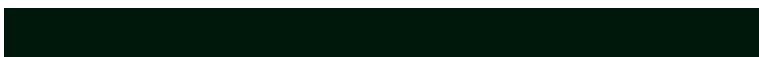
35.7309, 0.2574, 0.3288



9.0045, 0.3050, 0.3404



22.4814, 0.2711, 0.4958



0.6364, 0.2557, 0.4404

Inverse Universe

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



20.2003, 0.3636, 0.2771



30.8995, 0.3799, 0.2664



19.3527, 0.4150, 0.3293



8.0788, 0.3212, 0.3179



7.0243, 0.4953, 0.2502



0.2065, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 34.5469, 0.2812, 0.3884 looks on a white background.

Color Contrast Check

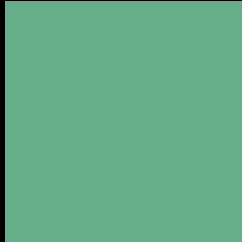
Large Text (above 18pt) WCAG AA × Fail

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 34.5469, 0.2812, 0.3884 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 34.5469, 0.2812, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 34.5469, 0.2812, 0.3884.



This preview shows how white text looks on a background with the Yxy color 34.5469, 0.2812, 0.3884.

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

34.5469, 0.2812, 0.3884

Protanopia

34.2809, 0.3480, 0.3706

Deuteranopia

33.9932, 0.3505, 0.3433



Tritanopia

34.4184, 0.2573, 0.3070

Trichromacy



Original Color

34.5469, 0.2812, 0.3884

Protanomaly

33.7275, 0.3199, 0.3765

Deuteranomaly

33.6440, 0.3210, 0.3583

Tritanomaly

34.2807, 0.2657, 0.3353

Monochromacy



Original Color

34.5469, 0.2812, 0.3884

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9529, 0.2993, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5469, 0.2812, 0.3884 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(102, 173, 138)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 138)  
}
```

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(102, 173, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 138) }
```

Border

The CSS property to change the border of an element to Yxy 34.5469, 0.2812, 0.3884 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(102, 173, 138) }
```

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

```
.border{ border-color:rgb(102, 173, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 138);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5469, 0.2812, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 138) }
```

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

```
.background{ background-color: rgb(102,  
173, 138) }
```

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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