

Converting Colors

$Y_{xy}(34.8076, 0.2959, 0.3508)$

Have a look what the booklet for
Yxy(34.8076, 0.2959, 0.3508)
contains.

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Color

Yxy(34.6903, 0.2964, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	87A698
RGB	135, 166, 152
RGB Percent	53%, 65%, 60%
CMY	0.4706, 0.3490, 0.4040
CMYK	0.19, 0.00, 0.08, 0.35
HSL	153°, 15%, 59%
HSV	153°, 19%, 65%
XYZ	29.2940, 34.6903, 34.8484
YIQ	155.1350, -13.9820, -10.9260

Conversions

Conversions Part 2

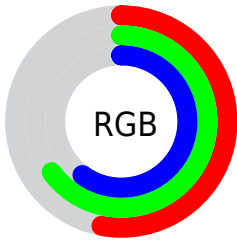
Format	Color
RYB	135, 155, 166
Decimal	8890008
CIELab	65.51, -13.58, 3.72
CIElCh	66, 14.083, 164.670
Yxy	34.6903, 0.2964, 0.3510
Android (android.graphics.Color)	4287080088 (0xFF87A698)
YUV	155.1350, -1.5456, -17.6584
Hunter-Lab	58.8985, -14.2927, 6.1488

Details

The Yxy color **34.6903, 0.2964, 0.3510** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.6069, 0.3327, 0.3080**, and the grayscale version is **32.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9880, 0.3001, 0.3467**, and **14.9055, 0.2914, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **33.1821, 0.2882, 0.3646**, and if you desaturate by 10%, it is **36.4317, 0.3050, 0.3387**.

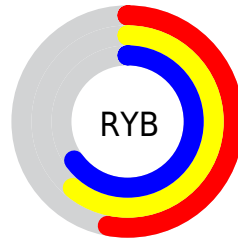
Distribution



Red (53%)

Green (65%)

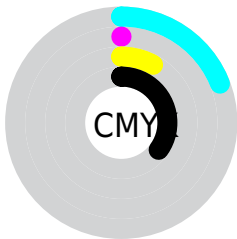
Blue (60%)



Red (53%)

Yellow (61%)

Blue (65%)

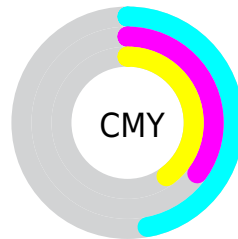


Cyan (19%)

Magenta (0%)

Yellow (8%)

Black (35%)



Cyan (47%)


Magenta (35%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6903, 0.2964, 0.3510 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 34.6903, 0.2964, 0.3510 by changing the saturation by 10% instead.


 34.6903, 0.2964,
0.3510


 34.6903, 0.2964,
0.3510


323.1992, 0.3050,
0.3393


 23.4244, 0.2941,
0.3542

 67.0057, 0.2997,
0.3466

 14.9072, 0.2910,
0.3584


 88.8240, 0.3009,
0.3450

 8.7543, 0.2866,
0.3644


 114.9286, 0.3018,
0.3436

 4.5813, 0.2801,
0.3735

145.7038, 0.3027,
0.3425

 2.0037, 0.2693,
0.3887

181.5341, 0.3034,
0.3415

 0.6096, 0.1966,
0.4834

222.8038, 0.3040,

 0.0000, 0.0000,

0.3407

0.0000

269.8974, 0.3046,
0.3399

■ 34.6903, 0.2964,
0.3510

■ 34.6903, 0.2964,
0.3510

■ 33.1821, 0.2882,
0.3646

■ 36.4317, 0.3050,
0.3387

■ 31.8925, 0.2808,
0.3794

■ 38.4115, 0.3139,
0.3276

■ 30.8120, 0.2745,
0.3953

■ 40.6401, 0.3228,
0.3177

■ 29.9286, 0.2694,
0.4120

■ 43.1261, 0.3316,
0.3090

■ 29.2291, 0.2661,
0.4293

■ 45.8776, 0.3402,
0.3013

■ 28.6986, 0.2646,
0.4469

■ 48.9024, 0.3485,
0.2946

■ 28.3195, 0.2651,
0.4641

■ 52.2078, 0.3565,
0.2887

■ 28.0595, 0.2672,
0.4809

■ 53.2908, 0.3530,
0.2817

■ 28.0281, 0.2675,
0.4831

■ 53.6789, 0.3463,
0.2744

Harmonies

Analogous

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



34.6903, 0.3178, 0.3644



34.6903, 0.2964, 0.3510



34.6903, 0.2797, 0.3313

Triad

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



34.6903, 0.2964, 0.3510



34.6903, 0.2867, 0.2927



34.6903, 0.3555, 0.3438

Complementary

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



34.6903, 0.2964, 0.3510



27.6069, 0.3327, 0.3080

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.



34.6903, 0.3466, 0.3254



34.6903, 0.2964, 0.3510



34.6903, 0.3064, 0.2966

Square

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



34.6903, 0.2964, 0.3510



34.6903, 0.2743, 0.2979



34.6903, 0.3284, 0.3084



34.6903, 0.3524, 0.3592

Rectangle

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



34.6903, 0.2964, 0.3510



34.6903, 0.2733, 0.3179



34.6903, 0.3284, 0.3084



34.6903, 0.3538, 0.3378

Sweetspot

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



34.6918, 0.2964, 0.3510



66.9947, 0.3073, 0.3357



35.4576, 0.3240, 0.3768



14.9441, 0.3067, 0.3364



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



34.6918, 0.2964, 0.3510



61.8873, 0.2933, 0.3559



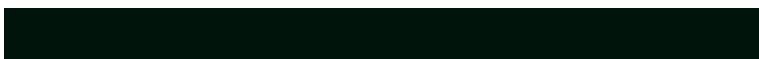
34.8045, 0.2852, 0.3273



8.4739, 0.3045, 0.3394



21.7424, 0.2671, 0.4816



0.5391, 0.2515, 0.4255

Inverse Universe

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



27.6069, 0.3327, 0.3080



46.8592, 0.3376, 0.3036



27.4752, 0.3479, 0.3307



7.5966, 0.3218, 0.3188



6.6907, 0.5121, 0.2595



0.1732, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 34.6903, 0.2964, 0.3510 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 34.6903, 0.2964, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

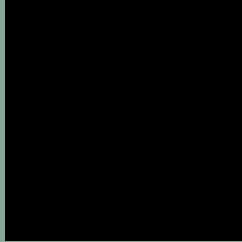
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6903, 0.2964, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 34.6903, 0.2964, 0.3510.

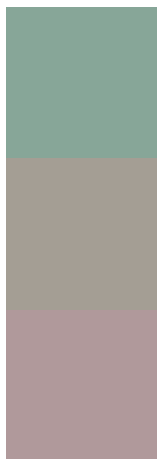


This preview shows how white text looks on a background with the Yxy color 34.6903, 0.2964, 0.3510.

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

34.6903, 0.2964, 0.3510

Protanopia

34.4844, 0.3278, 0.3438

Deuteranopia

34.3791, 0.3341, 0.3262



Tritanopia

34.8179, 0.2806, 0.3094

Trichromacy



Original Color

34.6903, 0.2964, 0.3510

Protanomaly

34.4320, 0.3157, 0.3472

Deuteranomaly

34.3639, 0.3193, 0.3349

Tritanomaly

34.7442, 0.2869, 0.3243

Monochromacy



Original Color

34.6903, 0.2964, 0.3510

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4253, 0.3066, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6903, 0.2964, 0.3510 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(135, 166, 152)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 152)  
}
```

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(135, 166, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 152) }
```

Border

The CSS property to change the border of an element to Yxy 34.6903, 0.2964, 0.3510 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(135, 166, 152) }
```

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

```
.border{ border-color:rgb(135, 166, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 166, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 166, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 166, 152);  
box-shadow:4px 4px 4px 4px rgb(135, 166,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6903, 0.2964, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 152) }
```

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

```
.background{ background-color: rgb(135,  
166, 152) }
```

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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