

Converting Colors

$Yxy(34.8236, 0.3100, 0.3693)$

Have a look what the booklet for
Yxy(34.8236, 0.3100, 0.3693)
contains.

Yxy(34.7710, 0.3100, 0.3683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7710, 0.3100, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	8CA68D
RGB	140, 166, 141
RGB Percent	55%, 65%, 55%
CMY	0.4507, 0.3491, 0.4470
CMYK	0.16, 0.00, 0.15, 0.35
HSL	122°, 13%, 60%
HSV	122°, 16%, 65%
XYZ	29.2669, 34.7710, 30.3715
YIQ	155.3760, -7.4710, -13.2870

Conversions

Conversions Part 2

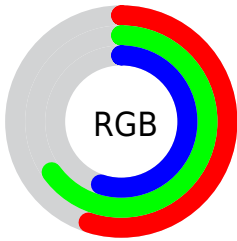
Format	Color
RYB	140, 165, 166
Decimal	9217677
CIELab	65.57, -13.96, 9.96
CIELCh	66, 17.148, 144.487
Yxy	34.7710, 0.3100, 0.3683
Android (android.graphics.Color)	4287407757 (0xFF8CA68D)
YUV	155.3760, -7.0874, -13.4848
Hunter-Lab	58.9669, -14.5976, 10.7389

Details

The Yxy color $34.7710, 0.3100, 0.3683$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $29.5973, 0.3154, 0.2926$, and the grayscale version is $32.9934, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.1224, 0.3106, 0.3597$, and $14.9636, 0.3090, 0.3814$ is the 20% darker color. If you saturate the color by 10%, you get $32.9947, 0.3081, 0.3975$, and if you desaturate by 10%, it is $36.8366, 0.3118, 0.3422$.

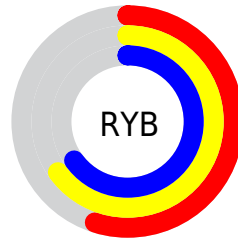
Distribution



Red (55%)

Green (65%)

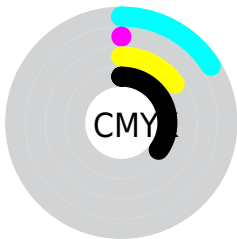
Blue (55%)



Red (55%)

Yellow (65%)

Blue (65%)

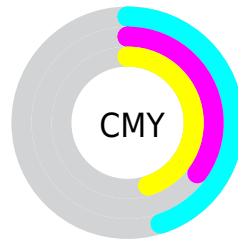


Cyan (16%)

Magenta (0%)

Yellow (15%)

Black (35%)



Cyan (45%)


Magenta (35%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7710, 0.3100, 0.3683 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 34.7710, 0.3100, 0.3683 by changing the saturation by 10% instead.


 34.7710, 0.3100,
0.3683


 34.7710, 0.3100,
0.3683


323.5564, 0.3117,
0.3472


 23.4865, 0.3095,
0.3741


 67.1309, 0.3107,
0.3603

 14.9532, 0.3087,
0.3819


 88.9750, 0.3109,
0.3573

 8.7865, 0.3075,
0.3930


 115.1079, 0.3111,
0.3549

 4.6022, 0.3054,
0.4098

145.9138, 0.3113,
0.3529

 2.0158, 0.3012,
0.4385

181.7773, 0.3114,
0.3512

 0.6166, 0.2846,
0.7154

223.0826, 0.3115,

 0.0000, 0.0000,

0.3497

0.0000

270.2141, 0.3116,
0.3484

■ 34.7710, 0.3100,
0.3683

■ 34.7710, 0.3100,
0.3683

■ 32.9947, 0.3081,
0.3975

■ 36.8366, 0.3118,
0.3422

■ 31.4905, 0.3062,
0.4296

■ 39.1988, 0.3134,
0.3194

■ 30.2464, 0.3042,
0.4635

■ 41.8704, 0.3149,
0.2995

■ 29.2475, 0.3025,
0.4977

■ 44.8619, 0.3162,
0.2824

■ 28.4778, 0.3010,
0.5302

■ 48.1834, 0.3174,
0.2677

■ 27.9190, 0.3000,
0.5583

■ 51.8446, 0.3185,
0.2551

■ 27.5502, 0.2995,
0.5798

■ 55.6167, 0.3184,
0.2439

■ 27.3447, 0.2995,
0.5934

■ 55.7485, 0.3168,
0.2422

■ 27.2819, 0.2993,
0.5974

Harmonies

Analogous

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



34.7710, 0.3362, 0.3761



34.7710, 0.3100, 0.3683



34.7710, 0.2853, 0.3485

Triad

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



34.7710, 0.3100, 0.3683



34.7710, 0.2699, 0.2880



34.7710, 0.3592, 0.3317

Complementary

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



34.7710, 0.3100, 0.3683



29.5973, 0.3154, 0.2926

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.



34.7710, 0.3399, 0.3102



34.7710, 0.3100, 0.3683



34.7710, 0.2882, 0.2855

Square

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



34.7710, 0.3100, 0.3683



34.7710, 0.2628, 0.3014



34.7710, 0.3137, 0.2937



34.7710, 0.3653, 0.3534

Rectangle

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



34.7710, 0.3100, 0.3683



34.7710, 0.2728, 0.3318



34.7710, 0.3137, 0.2937



34.7710, 0.3540, 0.3243

Sweetspot

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



34.7725, 0.3100, 0.3683



67.0775, 0.3119, 0.3410



37.1764, 0.3348, 0.3669



14.9498, 0.3118, 0.3426



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.



34.7725, 0.3100, 0.3683



61.8541, 0.3093, 0.3789



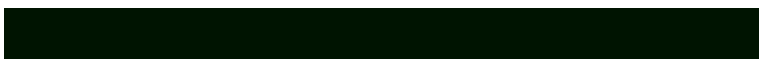
35.1785, 0.2993, 0.3477



8.4120, 0.3111, 0.3514



21.1603, 0.2992, 0.5970



0.5162, 0.2954, 0.5833

Inverse Universe

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



29.5973, 0.3154, 0.2926



50.5134, 0.3161, 0.2837



29.1515, 0.3285, 0.3110



7.6618, 0.3143, 0.3075



8.2539, 0.3301, 0.1592



0.2022, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 34.7710, 0.3100, 0.3683 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 34.7710, 0.3100, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

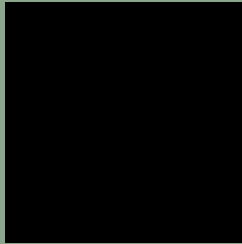
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7710, 0.3100, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 34.7710, 0.3100, 0.3683.



This preview shows how white text looks on a background with the Yxy color 34.7710, 0.3100, 0.3683.

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

34.7710, 0.3100, 0.3683

Protanopia

34.4754, 0.3413, 0.3600

Deuteranopia

34.4994, 0.3492, 0.3418



Tritanopia

34.6567, 0.2880, 0.3096

Trichromacy



Original Color

34.7710, 0.3100, 0.3683

Protanomaly

34.4928, 0.3296, 0.3639

Deuteranomaly

34.4362, 0.3335, 0.3512

Tritanomaly

34.7323, 0.2961, 0.3305

Monochromacy



Original Color

34.7710, 0.3100, 0.3683

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4823, 0.3121, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7710, 0.3100, 0.3683 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(140, 166, 141)` looks like.

```
.text, #text, p{  
    color:rgb(140, 166, 141)  
}
```

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(140, 166, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 166, 141) }
```

Border

The CSS property to change the border of an element to Yxy 34.7710, 0.3100, 0.3683 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(140, 166, 141) }
```

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

```
.border{ border-color:rgb(140, 166, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 166, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 166, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 166, 141);  
box-shadow:4px 4px 4px 4px rgb(140, 166,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7710, 0.3100, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 166, 141) }
```

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

```
.background{ background-color: rgb(140,  
166, 141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor