

Converting Colors

$Yxy(34.9878, 0.2735, 0.3799)$

Have a look what the booklet for
Yxy(34.9878, 0.2735, 0.3799)
contains.

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Color

Yxy(34.8271, 0.2737, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	61AE90
RGB	97, 174, 144
RGB Percent	38%, 68%, 56%
CMY	0.6194, 0.3177, 0.4352
CMYK	0.44, 0.00, 0.17, 0.32
HSL	157°, 32%, 53%
HSV	157°, 44%, 68%
XYZ	25.1045, 34.8271, 31.7911
YIQ	147.5570, -36.2620, -25.6540

Conversions

Conversions Part 2

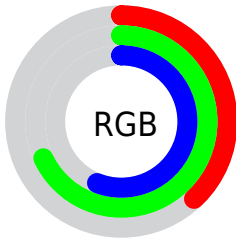
Format	Color
RYB	97, 145, 174
Decimal	6401680
CIELab	65.61, -30.98, 8.03
CIELCh	66, 32.003, 165.465
Yxy	34.8271, 0.2737, 0.3797
Android (android.graphics.Color)	4284591760 (0xFF61AE90)
YUV	147.5570, -1.7536, -44.3385
Hunter-Lab	59.0145, -27.3423, 9.3706

Details

The Yxy color **34.8271, 0.2737, 0.3797** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.0895, 0.3811, 0.2846**, and the grayscale version is **29.4447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2502, 0.2813, 0.3691**, and **14.9751, 0.2599, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **33.7735, 0.2675, 0.3937**, and if you desaturate by 10%, it is **36.1056, 0.2812, 0.3665**.

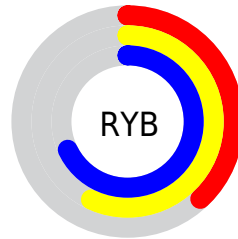
Distribution



Red (38%)

Green (68%)

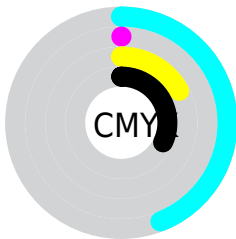
Blue (56%)



Red (38%)

Yellow (57%)

Blue (68%)

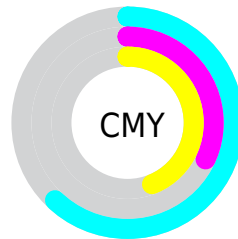


Cyan (44%)

Magenta (0%)

Yellow (17%)

Black (32%)



Cyan (62%)


Magenta (32%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8271, 0.2737, 0.3797 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 34.8271, 0.2737, 0.3797 by changing the saturation by 10% instead.


 34.8271, 0.2737,
0.3797


 34.8271, 0.2737,
0.3797


323.8045, 0.2945,
0.3523

 23.5297, 0.2680,
0.3873


 67.2178, 0.2816,
0.3692


 14.9851, 0.2605,
0.3976


 89.0800, 0.2845,
0.3654

 8.8090, 0.2499,
0.4122


 115.2325, 0.2868,
0.3623

 4.6168, 0.2339,
0.4346

 146.0598, 0.2889,
0.3597

 2.0242, 0.2075,
0.4732

181.9462, 0.2906,
0.3574

 0.6215, 0.0000,
0.8436

223.2762, 0.2921,

 0.0000, 0.0000,

0.3555

0.0000

270.4342, 0.2934,
0.3538

■ 34.8271, 0.2737,
0.3797

■ 34.8271, 0.2737,
0.3797

■ 33.7735, 0.2675,
0.3937

■ 36.1056, 0.2812,
0.3665

■ 32.9266, 0.2629,
0.4083

■ 37.6176, 0.2897,
0.3543

■ 32.2720, 0.2601,
0.4233


■ 39.3763, 0.2989,
0.3431

■ 31.7916, 0.2592,
0.4383


■ 41.3927, 0.3086,
0.3330

■ 31.4636, 0.2604,
0.4530

■ 43.6771, 0.3184,
0.3239

 31.3152, 0.2615,
0.4614

 46.2394, 0.3283,
0.3158

 49.0886, 0.3380,
0.3086

 52.2337, 0.3475,
0.3024

 55.6831, 0.3567,
0.2969

Harmonies

Analogous

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



34.8271, 0.3207, 0.4126



34.8271, 0.2737, 0.3797



34.8271, 0.2389, 0.3310

Triad

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



34.8271, 0.2737, 0.3797



34.8271, 0.2557, 0.2503



34.8271, 0.4109, 0.3591

Complementary

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



34.8271, 0.2737, 0.3797



19.0895, 0.3811, 0.2846

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.



34.8271, 0.3913, 0.3199



34.8271, 0.2737, 0.3797



34.8271, 0.2985, 0.2601

Square

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



34.8271, 0.2737, 0.3797



34.8271, 0.2295, 0.2587



34.8271, 0.3488, 0.2849



34.8271, 0.4015, 0.3947

Rectangle

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



34.8271, 0.2737, 0.3797



34.8271, 0.2263, 0.3000



34.8271, 0.3488, 0.2849



34.8271, 0.4075, 0.3460

Sweetspot

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



34.8285, 0.2737, 0.3797



71.7713, 0.2999, 0.3420



35.7101, 0.3325, 0.4537



15.7867, 0.2978, 0.3444



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.8285, 0.2737, 0.3797



61.3149, 0.2676, 0.3933



32.9817, 0.2519, 0.3163



9.0184, 0.3036, 0.3380



22.7264, 0.2611, 0.4598



0.6425, 0.2487, 0.4154

Inverse Universe

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



19.0895, 0.3811, 0.2846



29.0861, 0.4046, 0.2757



19.9130, 0.4218, 0.3409



8.0651, 0.3228, 0.3202



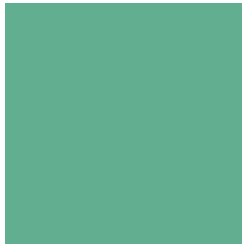
6.8386, 0.5381, 0.2738



0.2012, 0.4576, 0.2294

Previews

White Background



This preview shows how the Yxy color 34.8271, 0.2737, 0.3797 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 34.8271, 0.2737, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

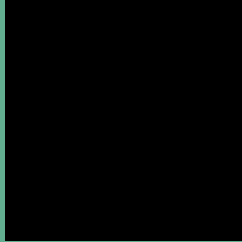
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8271, 0.2737, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 34.8271, 0.2737, 0.3797.

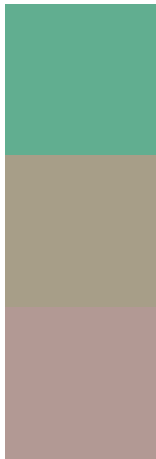


This preview shows how white text looks on a background with the Yxy color 34.8271, 0.2737, 0.3797.

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

34.8271, 0.2737, 0.3797

Protanopia

34.4468, 0.3422, 0.3615

Deuteranopia

34.3856, 0.3431, 0.3362



Tritanopia

34.8791, 0.2538, 0.3085

Trichromacy



Original Color

34.8271, 0.2737, 0.3797

Protanomaly

34.1658, 0.3137, 0.3684

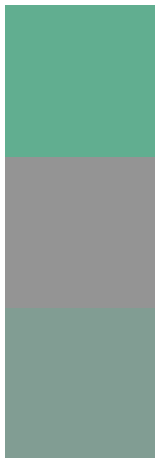
Deuteranomaly

33.9859, 0.3136, 0.3505

Tritanomaly

34.8365, 0.2608, 0.3337

Monochromacy



Original Color

34.8271, 0.2737, 0.3797

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8877, 0.2949, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8271, 0.2737, 0.3797 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(97, 174, 144)` looks like.

```
.text, #text, p{  
  color:rgb(97, 174, 144)  
}
```

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(97, 174, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 174, 144) }
```

Border

The CSS property to change the border of an element to Yxy 34.8271, 0.2737, 0.3797 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(97, 174, 144) }
```

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

```
.border{ border-color:rgb(97, 174, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 174, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 174, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 174, 144);  
box-shadow:4px 4px 4px 4px rgb(97, 174,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8271, 0.2737, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 174, 144) }
```

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

```
.background{ background-color: rgb(97, 174,  
144) }
```

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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