

Converting Colors

$Y_{xy}(34.4449, 0.2739, 0.3744)$

Have a look what the booklet for
Yxy(34.4449, 0.2739, 0.3744)
contains.

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Color

Yxy(34.6151, 0.2735, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	63AD92
RGB	99, 173, 146
RGB Percent	39%, 68%, 57%
CMY	0.6116, 0.3216, 0.4275
CMYK	0.43, 0.00, 0.16, 0.32
HSL	158°, 31%, 53%
HSV	158°, 43%, 68%
XYZ	25.2797, 34.6151, 32.5354
YIQ	147.7960, -35.4370, -24.0850

Conversions

Conversions Part 2

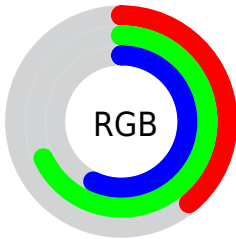
Format	Color
RYB	99, 144, 173
Decimal	6532498
CIELab	65.45, -29.52, 6.72
CIELCh	65, 30.274, 167.179
Yxy	34.6151, 0.2735, 0.3745
Android (android.graphics.Color)	4284722578 (0xFF63AD92)
YUV	147.7960, -0.8854, -42.7941
Hunter-Lab	58.8346, -26.2639, 8.3970

Details

The Yxy color **34.6151, 0.2735, 0.3745** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.3239, 0.3805, 0.2887**, and the grayscale version is **29.5438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9811, 0.2812, 0.3652**, and **14.8354, 0.2597, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **33.5525, 0.2669, 0.3874**, and if you desaturate by 10%, it is **35.9001, 0.2814, 0.3623**.

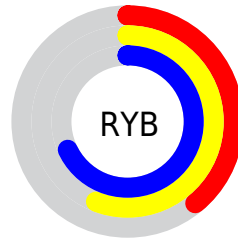
Distribution



Red (39%)

Green (68%)

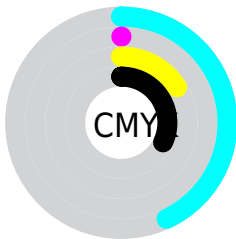
Blue (57%)



Red (39%)

Yellow (56%)

Blue (68%)

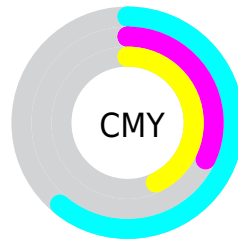


Cyan (43%)

Magenta (0%)

Yellow (16%)

Black (32%)



Cyan (61%)


Magenta (32%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6151, 0.2735, 0.3745 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 34.6151, 0.2735, 0.3745 by changing the saturation by 10% instead.


 34.6151, 0.2735,
0.3745


 34.6151, 0.2735,
0.3745


322.8661, 0.2944,
0.3500


 23.3665, 0.2679,
0.3813

 66.8891, 0.2814,
0.3651


 14.8644, 0.2603,
0.3904


 88.6833, 0.2843,
0.3617

 8.7243, 0.2498,
0.4034


 114.7614, 0.2866,
0.3589

 4.5618, 0.2340,
0.4233

 145.5080, 0.2887,
0.3566

 1.9925, 0.2080,
0.4572

181.3074, 0.2904,
0.3546

 0.6031, 0.0000,
0.7633

222.5439, 0.2919,

 0.0000, 0.0000,

0.3528

0.0000

269.6020, 0.2932,
0.3513

■ 34.6151, 0.2735,
0.3745

■ 34.6151, 0.2735,
0.3745

■ 33.5525, 0.2669,
0.3874

■ 35.9001, 0.2814,
0.3623

■ 32.6945, 0.2618,
0.4010

■ 37.4158, 0.2903,
0.3511

■ 32.0273, 0.2585,
0.4149


■ 39.1750, 0.2999,
0.3407

■ 31.5335, 0.2572,
0.4289


■ 41.1884, 0.3099,
0.3314

■ 31.1924, 0.2578,
0.4427


■ 43.4661, 0.3201,
0.3230

 31.0081, 0.2591,
0.4527

 46.0176, 0.3303,
0.3156

 48.8519, 0.3404,
0.3090

 51.9776, 0.3502,
0.3032

 55.4029, 0.3597,
0.2981

Harmonies

Analogous

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



34.6151, 0.3178, 0.4068



34.6151, 0.2735, 0.3745



34.6151, 0.2412, 0.3284

Triad

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



34.6151, 0.2735, 0.3745



34.6151, 0.2605, 0.2542



34.6151, 0.4060, 0.3601

Complementary

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



34.6151, 0.2735, 0.3745



19.3239, 0.3805, 0.2887

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.



34.6151, 0.3889, 0.3227



34.6151, 0.2735, 0.3745



34.6151, 0.3020, 0.2643

Square

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



34.6151, 0.2735, 0.3745



34.6151, 0.2344, 0.2613



34.6151, 0.3496, 0.2887



34.6151, 0.3957, 0.3933

Rectangle

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



34.6151, 0.2735, 0.3745



34.6151, 0.2299, 0.2994



34.6151, 0.3496, 0.2887



34.6151, 0.4033, 0.3476

Sweetspot

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



34.6165, 0.2735, 0.3745



70.0010, 0.2994, 0.3412



35.2361, 0.3298, 0.4499



15.0585, 0.2973, 0.3434



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.



34.6165, 0.2735, 0.3745



60.2407, 0.2674, 0.3863



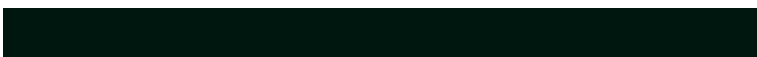
31.9156, 0.2529, 0.3127



9.0217, 0.3033, 0.3374



22.7918, 0.2587, 0.4512



0.6441, 0.2471, 0.4096

Inverse Universe

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



19.3239, 0.3805, 0.2887



29.3129, 0.4029, 0.2807



20.7026, 0.4148, 0.3442



8.0619, 0.3231, 0.3207



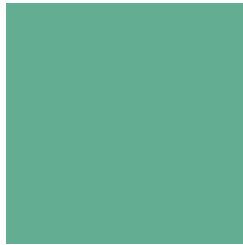
6.8023, 0.5478, 0.2791



0.1999, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 34.6151, 0.2735, 0.3745 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 34.6151, 0.2735, 0.3745 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 34.6151, 0.2735, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 34.6151, 0.2735, 0.3745.



This preview shows how white text looks on a background with the Yxy color 34.6151, 0.2735, 0.3745.

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

34.6151, 0.2735, 0.3745

Protanopia

34.3957, 0.3393, 0.3586

Deuteranopia

34.2146, 0.3391, 0.3333



Tritanopia

34.5708, 0.2542, 0.3070

Trichromacy



Original Color

34.6151, 0.2735, 0.3745

Protanomaly

33.8683, 0.3120, 0.3637

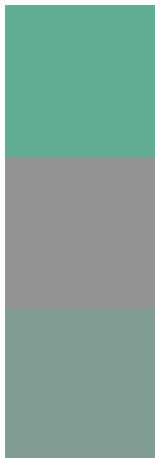
Deuteranomaly

33.6074, 0.3110, 0.3460

Tritanomaly

34.6173, 0.2612, 0.3305

Monochromacy



Original Color

34.6151, 0.2735, 0.3745

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9664, 0.2958, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6151, 0.2735, 0.3745 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(99, 173, 146)` looks like.

```
.text, #text, p{  
    color:rgb(99, 173, 146)  
}
```

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(99, 173, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 173, 146) }
```

Border

The CSS property to change the border of an element to Yxy 34.6151, 0.2735, 0.3745 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(99, 173, 146) }
```

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

```
.border{ border-color:rgb(99, 173, 146) }
```

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

Here you see how a box with a 4 pixel rgb(99, 173, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 173, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 173, 146);  
box-shadow:4px 4px 4px 4px rgb(99, 173,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6151, 0.2735, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 173, 146) }
```

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

```
.background{ background-color: rgb(99, 173,  
146) }
```

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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