

Converting Colors

$Y_{xy}(34.5612, 0.2803, 0.3237)$

Have a look what the booklet for
Yxy(34.5612, 0.2803, 0.3237)
contains.

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Color

Yxy(34.5627, 0.2804, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	83A5A8
RGB	131, 165, 168
RGB Percent	51%, 65%, 66%
CMY	0.4862, 0.3529, 0.3413
CMYK	0.22, 0.02, 0.00, 0.34
HSL	185°, 18%, 59%
HSV	185°, 22%, 66%
XYZ	29.8840, 34.5627, 42.1296
YIQ	155.1760, -21.2270, -6.2750

Conversions

Conversions Part 2

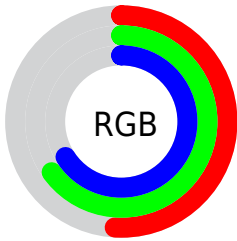
Format	Color
RYB	131, 149, 168
Decimal	8627624
CIELab	65.41, -10.90, -5.38
CIELCh	65, 12.154, 206.280
Yxy	34.5627, 0.2804, 0.3243
Android (android.graphics.Color)	4286817704 (0xFF83A5A8)
YUV	155.1760, 6.3222, -21.2024
Hunter-Lab	58.7901, -12.1479, -1.3349

Details

The Yxy color **34.5627, 0.2804, 0.3243** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.0122, 0.3553, 0.3337**, and the grayscale version is **32.8409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8284, 0.2869, 0.3254**, and **14.7767, 0.2696, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **32.8441, 0.2671, 0.3219**, and if you desaturate by 10%, it is **36.5067, 0.2947, 0.3265**.

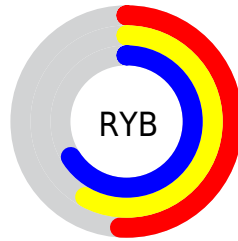
Distribution



Red (51%)

Green (65%)

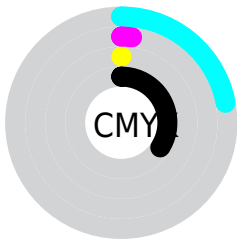
Blue (66%)



Red (51%)

Yellow (58%)

Blue (66%)

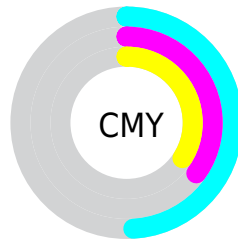


Cyan (22%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (49%)


Magenta (35%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5627, 0.2804, 0.3243 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 34.5627, 0.2804, 0.3243 by changing the saturation by 10% instead.


 34.5627, 0.2804,
0.3243


 34.5627, 0.2804,
0.3243


322.6339, 0.2972,
0.3270

 23.3262, 0.2760,
0.3235


 66.8078, 0.2867,
0.3253

 14.8346, 0.2702,
0.3224


 88.5851, 0.2890,
0.3257

 8.7034, 0.2622,
0.3209


 114.6449, 0.2909,
0.3260

 4.5482, 0.2505,
0.3184

145.3715, 0.2926,
0.3263

 1.9847, 0.2319,
0.3139

181.1493, 0.2940,
0.3265

 0.5986, 0.1569,
0.3100

222.3627, 0.2952,

 0.0000, 0.0000,

0.3267

0.0000

269.3961, 0.2963,
0.3268

■ 34.5627, 0.2804,
0.3243

■ 34.5627, 0.2804,
0.3243

■ 32.8441, 0.2671,
0.3219

■ 36.5067, 0.2947,
0.3265

■ 31.3362, 0.2549,
0.3194

■ 38.6818, 0.3097,
0.3286

■ 30.0292, 0.2443,
0.3168

■ 41.0984, 0.3250,
0.3305

■ 28.9105, 0.2354,
0.3141

■ 43.7652, 0.3405,
0.3322

■ 27.9664, 0.2283,
0.3113

■ 46.6906, 0.3559,
0.3337

■ 27.1810, 0.2231,
0.3086

■ 49.8822, 0.3711,
0.3350

■ 26.5355, 0.2196,
0.3059

■ 53.3478, 0.3858,
0.3362

■ 26.0863, 0.2177,
0.3038

■ 55.0668, 0.3910,
0.3375

■ 55.5992, 0.3905,
0.3389

Harmonies

Analogous

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



34.5627, 0.2923, 0.3418



34.5627, 0.2804, 0.3243



34.5627, 0.2769, 0.3088

Triad

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



34.5627, 0.2804, 0.3243



34.5627, 0.3147, 0.3041



34.5627, 0.3433, 0.3588

Complementary

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



34.5627, 0.2804, 0.3243



27.0122, 0.3553, 0.3337

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.



34.5627, 0.3499, 0.3477



34.5627, 0.2804, 0.3243



34.5627, 0.3331, 0.3165

Square

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



34.5627, 0.2804, 0.3243



34.5627, 0.2963, 0.2978



34.5627, 0.3461, 0.3322



34.5627, 0.3286, 0.3621

Rectangle

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



34.5627, 0.2804, 0.3243



34.5627, 0.2797, 0.3017



34.5627, 0.3461, 0.3322



34.5627, 0.3466, 0.3558

Sweetspot

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



34.5641, 0.2804, 0.3243



68.1364, 0.3019, 0.3276



34.5307, 0.3079, 0.3848



14.8031, 0.3011, 0.3275



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.



34.5641, 0.2804, 0.3243



61.2939, 0.2743, 0.3232



28.5328, 0.2784, 0.2956



8.4272, 0.2987, 0.3271



19.7407, 0.2178, 0.3041



0.5095, 0.2203, 0.3129

Inverse Universe

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



27.2785, 0.3183, 0.2796



45.9381, 0.3196, 0.2694



32.4065, 0.3498, 0.3603



7.6560, 0.3149, 0.3085



8.0639, 0.3418, 0.1657



0.1991, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 34.5627, 0.2804, 0.3243 looks on a white background.

Color Contrast Check

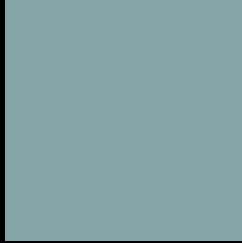
Large Text (above 18pt) WCAG AA × Fail

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 34.5627, 0.2804, 0.3243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

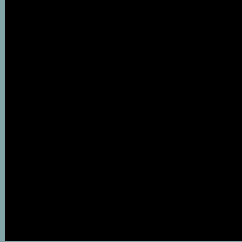
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5627, 0.2804, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 34.5627, 0.2804, 0.3243.



This preview shows how white text looks on a background with the Yxy color 34.5627, 0.2804, 0.3243.

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

34.5627, 0.2804, 0.3243

Protanopia

34.5716, 0.3102, 0.3217

Deuteranopia

34.3383, 0.3118, 0.3063



Tritanopia

34.7118, 0.2751, 0.3092

Trichromacy



Original Color

34.5627, 0.2804, 0.3243

Protanomaly

34.5959, 0.2981, 0.3230

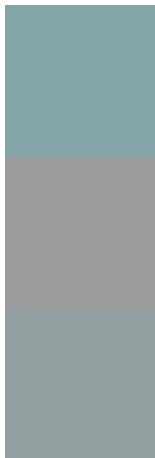
Deuteranomaly

34.2869, 0.3002, 0.3128

Tritanomaly

34.5124, 0.2765, 0.3136

Monochromacy



Original Color

34.5627, 0.2804, 0.3243

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4453, 0.2996, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5627, 0.2804, 0.3243 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(131, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 165, 168)  
}
```

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(131, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 165, 168) }
```

Border

The CSS property to change the border of an element to Yxy 34.5627, 0.2804, 0.3243 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(131, 165, 168) }
```

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

```
.border{ border-color:rgb(131, 165, 168) }
```

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

Here you see how a box with a 4 pixel rgb(131, 165, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(131, 165,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5627, 0.2804, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 165, 168) }
```

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

```
.background{ background-color: rgb(131,  
165, 168) }
```

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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