

Converting Colors

$Y_{xy}(34.2410, 0.2802, 0.3352)$

Have a look what the booklet for
Yxy(34.2410, 0.2802, 0.3352)
contains.

Yxy(34.2410, 0.2802, 0.3352)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.2410, 0.2802, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	7DA6A2
RGB	125, 166, 162
RGB Percent	49%, 65%, 64%
CMY	0.5095, 0.3491, 0.3647
CMYK	0.25, 0.00, 0.02, 0.35
HSL	174°, 19%, 57%
HSV	174°, 25%, 65%
XYZ	28.6227, 34.2410, 39.2873
YIQ	153.2850, -23.1520, -9.9360

Conversions

Conversions Part 2

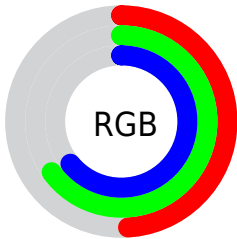
Format	Color
R_{YB}	125, 147, 166
Decimal	8234658
CIE _{Lab}	65.15, -14.66, -2.46
CIE _{LCh}	65, 14.864, 189.542
Yxy	34.2410, 0.2802, 0.3352
Android (android.graphics.Color)	4286424738 (0xFF7DA6A2)
YUV	153.2850, 4.2965, -24.8059
Hunter-Lab	58.5158, -15.0903, 1.1540

Details

The Yxy color **34.2410, 0.2802, 0.3352** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.3756, 0.3582, 0.3230**, and the grayscale version is **31.9804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3064, 0.2867, 0.3337**, and **14.6563, 0.2707, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **33.0379, 0.2687, 0.3381**, and if you desaturate by 10%, it is **35.6564, 0.2928, 0.3325**.

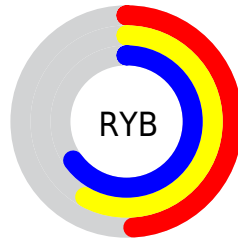
Distribution



Red (49%)

Green (65%)

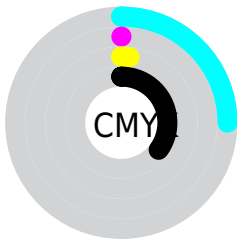
Blue (64%)



Red (49%)

Yellow (58%)

Blue (65%)

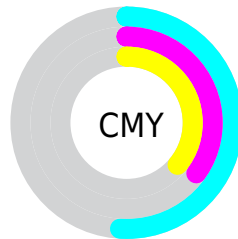


Cyan (25%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (51%)


Magenta (35%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2410, 0.2802, 0.3352 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 34.2410, 0.2802, 0.3352 by changing the saturation by 10% instead.


 34.2410, 0.2802,
0.3352


 34.2410, 0.2802,
0.3352


321.2053, 0.2972,
0.3321

 23.0788, 0.2757,
0.3360


 66.3083, 0.2866,
0.3341

 14.6517, 0.2698,
0.3370


 87.9821, 0.2889,
0.3336

 8.5753, 0.2616,
0.3383


 113.9287, 0.2908,
0.3333

 4.4652, 0.2496,
0.3401

144.5323, 0.2925,
0.3330

 1.9371, 0.2303,
0.3427

180.1774, 0.2939,
0.3327

 0.5705, 0.1191,
0.3685

221.2483, 0.2952,

 0.0000, 0.0000,

0.3325

0.0000

268.1295, 0.2962,
0.3323

■ 34.2410, 0.2802,
0.3352

■ 34.2410, 0.2802,
0.3352

■ 33.0379, 0.2687,
0.3381

■ 35.6564, 0.2928,
0.3325

■ 32.0327, 0.2585,
0.3411

■ 37.2896, 0.3063,
0.3301

■ 31.2153, 0.2499,
0.3442

■ 39.1510, 0.3202,
0.3278

■ 30.5735, 0.2430,
0.3475

■ 41.2493, 0.3345,
0.3258

■ 30.0934, 0.2380,
0.3508

■ 43.5924, 0.3488,
0.3240

■ 29.7590, 0.2349,
0.3541

■ 46.1880, 0.3630,
0.3225

■ 29.5509, 0.2335,
0.3573

■ 49.0437, 0.3769,
0.3211

■ 29.4657, 0.2331,
0.3591

■ 51.6206, 0.3879,
0.3198

■ 51.6844, 0.3863,
0.3181

Harmonies

Analogous

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



34.2410, 0.2991, 0.3554



34.2410, 0.2802, 0.3352



34.2410, 0.2700, 0.3140

Triad

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



34.2410, 0.2802, 0.3352



34.2410, 0.3021, 0.2934



34.2410, 0.3563, 0.3586

Complementary

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



34.2410, 0.2802, 0.3352



24.3756, 0.3582, 0.3230

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.



34.2410, 0.3574, 0.3414



34.2410, 0.2802, 0.3352



34.2410, 0.3255, 0.3046

Square

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



34.2410, 0.2802, 0.3352



34.2410, 0.2823, 0.2908



34.2410, 0.3460, 0.3218



34.2410, 0.3431, 0.3688

Rectangle

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



34.2410, 0.2802, 0.3352



34.2410, 0.2693, 0.3024



34.2410, 0.3460, 0.3218



34.2410, 0.3581, 0.3534

Sweetspot

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



34.2424, 0.2802, 0.3352



66.9151, 0.3029, 0.3307



33.4303, 0.3133, 0.3964



14.9359, 0.3021, 0.3308



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.



34.2424, 0.2802, 0.3352



60.8203, 0.2732, 0.3369



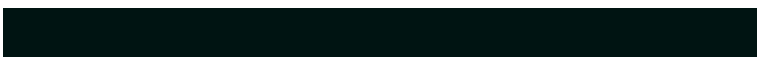
28.8091, 0.2750, 0.3024



8.5193, 0.2999, 0.3312



22.8563, 0.2330, 0.3588



0.5596, 0.2300, 0.3479

Inverse Universe

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



24.3756, 0.3582, 0.3230



39.5510, 0.3731, 0.3215



28.7663, 0.3572, 0.3541



7.5537, 0.3271, 0.3268



6.3193, 0.6264, 0.3225



0.1573, 0.5738, 0.2935

Previews

White Background



This preview shows how the Yxy color 34.2410, 0.2802, 0.3352 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 34.2410, 0.2802, 0.3352 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 34.2410, 0.2802, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 34.2410, 0.2802, 0.3352.

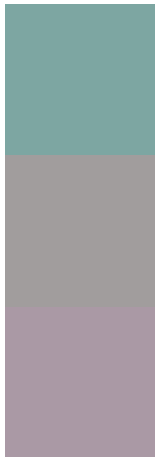


This preview shows how white text looks on a background with the Yxy color 34.2410, 0.2802, 0.3352.

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

34.2410, 0.2802, 0.3352

Protanopia

34.1253, 0.3166, 0.3290

Deuteranopia

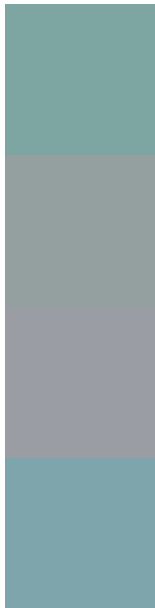
34.0451, 0.3185, 0.3119



Tritanopia

34.3144, 0.2711, 0.3090

Trichromacy



Original Color

34.2410, 0.2802, 0.3352

Protanomaly

33.9407, 0.3023, 0.3305

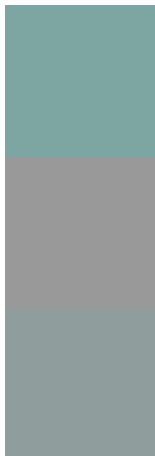
Deuteranomaly

34.0041, 0.3036, 0.3201

Tritanomaly

34.4009, 0.2742, 0.3181

Monochromacy



Original Color

34.2410, 0.2802, 0.3352

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6937, 0.3002, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2410, 0.2802, 0.3352 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(125, 166, 162)` looks like.

```
.text, #text, p{  
    color:rgb(125, 166, 162)  
}
```

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(125, 166, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 166, 162) }
```

Border

The CSS property to change the border of an element to Yxy 34.2410, 0.2802, 0.3352 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(125, 166, 162) }
```

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

```
.border{ border-color:rgb(125, 166, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 166, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 166, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 166, 162); box-shadow:4px 4px 4px 4px rgb(125, 166, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2410, 0.2802, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 166, 162) }
```

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

```
.background{ background-color: rgb(125,  
166, 162) }
```

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