

Converting Colors

$Y_{xy}(36.4239, 0.2738, 0.3222)$

Have a look what the booklet for
Yxy(36.4239, 0.2738, 0.3222)
contains.

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Color

Yxy(36.3946, 0.2742, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	80AAAE
RGB	128, 170, 174
RGB Percent	50%, 67%, 68%
CMY	0.4981, 0.3333, 0.3177
CMYK	0.26, 0.02, 0.00, 0.32
HSL	185°, 22%, 59%
HSV	185°, 26%, 68%
XYZ	30.9151, 36.3946, 45.4369
YIQ	157.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

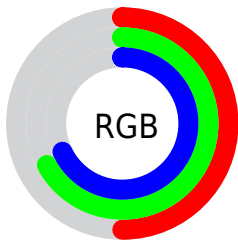
Format	Color
RYB	128, 150, 174
Decimal	8432302
CIELab	66.82, -13.12, -6.66
CIELCh	67, 14.719, 206.912
Yxy	36.3946, 0.2742, 0.3228
Android (android.graphics.Color)	4286622382 (0xFF80AAAE)
YUV	157.8980, 7.9383, -26.2205
Hunter-Lab	60.3279, -14.1014, -2.4256

Details

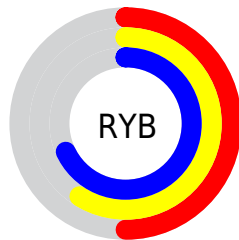
The Yxy color **36.3946, 0.2742, 0.3228** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.0537, 0.3666, 0.3351**, and the grayscale version is **34.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4527, 0.2818, 0.3243**, and **15.9398, 0.2621, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **34.5981, 0.2613, 0.3202**, and if you desaturate by 10%, it is **38.4319, 0.2882, 0.3253**.

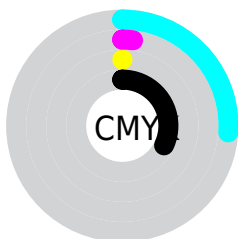
Distribution



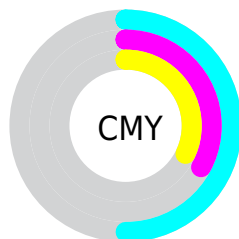
- Red (50%)
- Green (67%)
- Blue (68%)



- Red (50%)
- Yellow (59%)
- Blue (68%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)




- Cyan (50%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3946, 0.2742, 0.3228 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 36.3946, 0.2742, 0.3228 by changing the saturation by 10% instead.

 36.3946, 0.2742,
0.3228


 36.3946, 0.2742,
0.3228


330.6820, 0.2940,
0.3263

 24.7391, 0.2691,
0.3218


 69.6407, 0.2815,
0.3242

 15.8828, 0.2624,
0.3204


 92.0001, 0.2843,
0.3247

 9.4412, 0.2532,
0.3184


 118.6962, 0.2865,
0.3251

 5.0301, 0.2401,
0.3152

150.1135, 0.2885,
0.3254

 2.2649, 0.2197,
0.3096

186.6363, 0.2902,
0.3257

 0.7551, 0.1603,
0.3047

228.6491, 0.2916,

 0.0000, 0.0000,

0.3259

0.0000

276.5362, 0.2929,
0.3261

■ 36.3946, 0.2742,
0.3228

■ 36.3946, 0.2742,
0.3228

■ 34.5981, 0.2613,
0.3202

■ 38.4319, 0.2882,
0.3253

■ 33.0262, 0.2498,
0.3174

■ 40.7165, 0.3029,
0.3276

■ 31.6675, 0.2398,
0.3145

■ 43.2602, 0.3182,
0.3297

■ 30.5077, 0.2316,
0.3116

■ 46.0728, 0.3337,
0.3317

■ 29.5308, 0.2253,
0.3086

■ 49.1633, 0.3492,
0.3334

■ 28.7184, 0.2208,
0.3057

■ 52.5406, 0.3644,
0.3349

■ 28.0452, 0.2180,
0.3028

■ 56.2129, 0.3794,
0.3362

■ 27.8202, 0.2172,
0.3017

■ 57.8031, 0.3834,
0.3377

■ 58.4248, 0.3829,
0.3393

Harmonies

Analogous

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



36.3946, 0.2881, 0.3438



36.3946, 0.2742, 0.3228



36.3946, 0.2703, 0.3045

Triad

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



36.3946, 0.2742, 0.3228



36.3946, 0.3155, 0.2998



36.3946, 0.3488, 0.3646

Complementary

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



36.3946, 0.2742, 0.3228



27.0537, 0.3666, 0.3351

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.



36.3946, 0.3570, 0.3513



36.3946, 0.2742, 0.3228



36.3946, 0.3374, 0.3145

Square

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



36.3946, 0.2742, 0.3228



36.3946, 0.2936, 0.2922



36.3946, 0.3528, 0.3330



36.3946, 0.3310, 0.3685

Rectangle

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



36.3946, 0.2742, 0.3228



36.3946, 0.2738, 0.2963



36.3946, 0.3528, 0.3330



36.3946, 0.3528, 0.3610

Sweetspot

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



36.3961, 0.2742, 0.3228



73.1223, 0.3004, 0.3272



36.5200, 0.3063, 0.3968



16.1113, 0.2982, 0.3269



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.



36.3961, 0.2742, 0.3228



63.9749, 0.2662, 0.3212



28.5615, 0.2708, 0.2865



8.9515, 0.2986, 0.3270



20.2228, 0.2172, 0.3021



0.5965, 0.2197, 0.3108

Inverse Universe

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



27.3367, 0.3199, 0.2697



44.7437, 0.3219, 0.2559



33.9416, 0.3583, 0.3681



8.1359, 0.3150, 0.3085



8.3446, 0.3436, 0.1666



0.2356, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 36.3946, 0.2742, 0.3228 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 36.3946, 0.2742, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

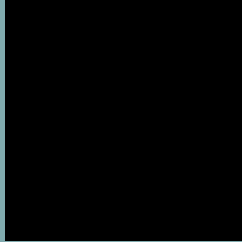
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3946, 0.2742, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 36.3946, 0.2742, 0.3228.

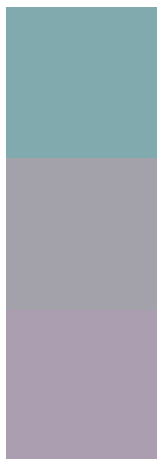


This preview shows how white text looks on a background with the Yxy color 36.3946, 0.2742, 0.3228.

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

36.3946, 0.2742, 0.3228

Protanopia

36.1408, 0.3076, 0.3175

Deuteranopia

36.2860, 0.3082, 0.3026



Tritanopia

36.4992, 0.2699, 0.3094

Trichromacy



Original Color

36.3946, 0.2742, 0.3228

Protanomaly

35.9752, 0.2941, 0.3186

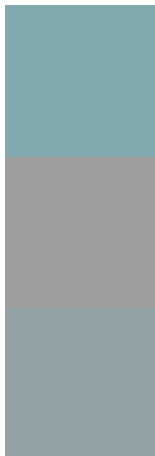
Deuteranomaly

35.9438, 0.2944, 0.3087

Tritanomaly

36.2977, 0.2713, 0.3138

Monochromacy



Original Color

36.3946, 0.2742, 0.3228

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.7240, 0.2971, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3946, 0.2742, 0.3228 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(128, 170, 174)` looks like.

```
.text, #text, p{  
    color:rgb(128, 170, 174)  
}
```

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(128, 170, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 170, 174) }
```

Border

The CSS property to change the border of an element to Yxy 36.3946, 0.2742, 0.3228 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(128, 170, 174) }
```

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

```
.border{ border-color:rgb(128, 170, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 170, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 170, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 170, 174);  
box-shadow:4px 4px 4px 4px rgb(128, 170,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3946, 0.2742, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 170, 174) }
```

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

```
.background{ background-color: rgb(128,  
170, 174) }
```

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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