Converting Colors

Yxy(36.2438, 0.2942, 0.3677)

Have a look what the booklet for Yxy(36.2438, 0.2942, 0.3677) contains.

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Color

Yxy(36.2324, 0.2938, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	80AC94
RGB	128, 172, 148
RGB Percent	50%, 67%, 58%
CMY	0.4979, 0.3255, 0.4195
CMYK	0.26, 0.00, 0.14, 0.33
HSL	147°, 21%, 59%
HSV	147°, 26%, 67%
XYZ	29.0057, 36.2324, 33.4878
YIQ	156.1080, -18.5200, -16.7920

Conversions

Conversions Part 2

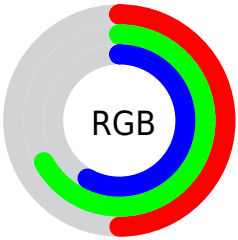
Format	Color
RYB	128, 158, 172
Decimal	8432788
CIELab	66.70, -19.82, 7.58
CIELCh	67, 21.224, 159.076
Yxy	36.2324, 0.2938, 0.3670
Android (android.graphics.Color)	4286622868 (0xFF80AC94)
YUV	156.1080, -3.9972, -24.6507
Hunter-Lab	60.1934, -19.3237, 9.1501

Details

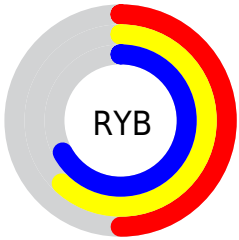
The Yxy color 36.2324, 0.2938, 0.3670 is a light color, and the websafe version is hex 669999. A complement of this color would be 26.4876, 0.3374, 0.2939, and the grayscale version is 33.3256, 0.3127, 0.3290.

A 20% lighter version of the original color is 69.6962, 0.2979, 0.3599, and 15.9157, 0.2883, 0.3819 is the 20% darker color. If you saturate the color by 10%, you get 34.7255, 0.2872, 0.3847, and if you desaturate by 10%, it is 37.9926, 0.3010, 0.3509.

Distribution

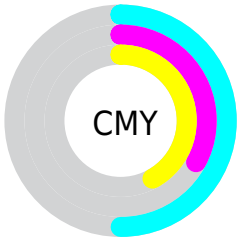


- Red (50%)
- Green (67%)
- Blue (58%)



- Red (50%)
- Yellow (62%)
- Blue (67%)

- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (33%)



- Cyan (50%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2324, 0.2938, 0.3670 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 36.2324, 0.2938, 0.3670 by changing the saturation by 10% instead.

36.2324, 0.2938, 0.3670

36.2324, 0.2938, 0.3670

329.9752, 0.3039, 0.3467

24.6137, 0.2910, 0.3725

69.3906, 0.2976, 0.3593

15.7895, 0.2874, 0.3800

91.6990, 0.2990, 0.3565

9.3753, 0.2822, 0.3905

118.3393, 0.3002, 0.3542

4.9868, 0.2744, 0.4063

149.6961, 0.3012, 0.3522

2.2395, 0.2612, 0.4330

186.1537, 0.3020, 0.3505

0.7414, 0.1781, 0.5981

228.0964, 0.3027,

0.0000, 0.0000,

0.3491

0.0000

275.9088, 0.3033, 0.3478

36.2324, 0.2938, 0.3670

36.2324, 0.2938, 0.3670

34.7255, 0.2872, 0.3847

37.9926, 0.3010, 0.3509

33.4552, 0.2814, 0.4038

40.0125, 0.3085, 0.3364

32.4103, 0.2767, 0.4241

42.3043, 0.3161, 0.3234

31.5763, 0.2736, 0.4451

44.8777, 0.3236, 0.3120

30.9374, 0.2722, 0.4662

47.7421, 0.3310, 0.3019

30.4751, 0.2727, 0.4869

30.1662, 0.2751, 0.5065

30.0550, 0.2764, 0.5149

50.9065, 0.3381, 0.2931

54.3794, 0.3449, 0.2854

56.0949, 0.3424, 0.2771

56.6155, 0.3345, 0.2681

Harmonies

Analogous

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

36.2324, 0.3258, 0.3845

36.2324, 0.2938, 0.3670

36.2324, 0.2677, 0.3379

Triad

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

36.2324, 0.2938, 0.3670

36.2324, 0.2700, 0.2762

36.2324, 0.3755, 0.3450

Complementary

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

36.2324, 0.2938, 0.3670

26.4876, 0.3374, 0.2939

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.

36.2324, 0.3591, 0.3183

36.2324, 0.2938, 0.3670

36.2324, 0.2971, 0.2799

Square

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

36.2324, 0.2938, 0.3670

36.2324, 0.2546, 0.2857

36.2324, 0.3298, 0.2950

36.2324, 0.3740, 0.3694

Rectangle

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

36.2324, 0.2938, 0.3670

36.2324, 0.2569, 0.3172

36.2324, 0.3298, 0.2950

36.2324, 0.3719, 0.3360

Sweetspot

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

36.2339, 0.2938, 0.3670

71.5987, 0.3065, 0.3400

37.7586, 0.3315, 0.3956

15.4403, 0.3054, 0.3421

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.

36.2339, 0.2938, 0.3670

64.0432, 0.2897, 0.3774

36.9899, 0.2775, 0.3323

8.9976, 0.3057, 0.3416

22.3785, 0.2758, 0.5130

0.6337, 0.2592, 0.4530

Inverse Universe

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

26.4876, 0.3374, 0.2939

43.1402, 0.3450, 0.2853

25.8381, 0.3630, 0.3258

8.0857, 0.3204, 0.3167

7.1373, 0.4736, 0.2383

0.2094, 0.4159, 0.2065

Previews

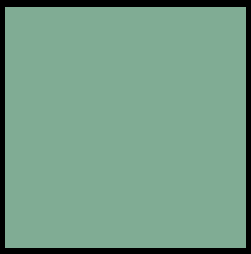
White Background

This preview shows how the Yxy color 36.2324, 0.2938, 0.3670 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



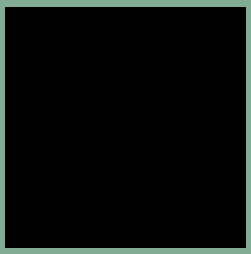
This preview shows how the Yxy color 36.2324, 0.2938, 0.3670 looks on a black background.

Color Contrast Check

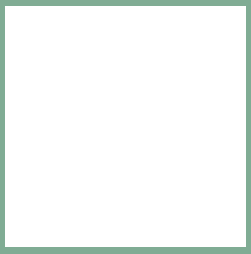
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 36.2324, 0.2938, 0.3670 Background



This preview shows how black text looks on a background with the Yxy color 36.2324, 0.2938, 0.3670.



This preview shows how white text looks on a background with the Yxy color 36.2324, 0.2938, 0.3670.

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

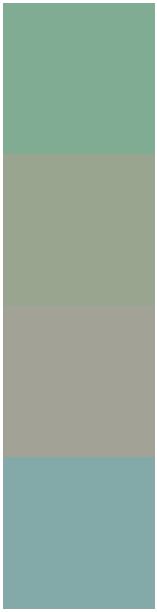
Original Color
36.2324, 0.2938, 0.3670

Protanopia
35.8777, 0.3379, 0.3567

Deuteranopia
35.8351, 0.3426, 0.3361

Tritanopia
36.0420, 0.2734, 0.3080

Trichromacy



Original Color
36.2324, 0.2938, 0.3670

Protanomaly
35.7939, 0.3206, 0.3607

Deuteranomaly
35.7241, 0.3234, 0.3467

Tritanomaly
36.1460, 0.2809, 0.3289

Monochromacy

Original Color
36.2324, 0.2938, 0.3670

Achromatopsia
33.2452, 0.3127, 0.3290

Achromatomaly
34.2516, 0.3055, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2324, 0.2938, 0.3670 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, 172, 148) looks like.

```
.text, #text, p{
    color:rgb(128, 172, 148)
}
```

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, 172, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 172, 148) }
```

Border

The CSS property to change the border of an element to Yxy 36.2324, 0.2938, 0.3670 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, 172, 148) }
```

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

```
.border{ border-color:rgb(128, 172, 148) }
```

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

Here you see how a box with a 4 pixel rgb(128, 172, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 172, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 172, 148); box-shadow:4px 4px 4px 4px rgb(128, 172, 148) }
```

Background

The CSS property to change the background color of an element to Yxy 36.2324, 0.2938, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(128, 172, 148) }
```

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

```
.background{ background-color:rgb(128,
172, 148) }
```

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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