Converting Colors

Yxy(35.6873, 0.3028, 0.3736)

Have a look what the booklet for Yxy(35.6873, 0.3028, 0.3736) contains.

Yxy(35.6890, 0.3027, 0.3734) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(35.6890, 0.3027, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	85AA8E
RGB	133, 170, 142
RGB Percent	52%, 67%, 56%
CMY	0.4784, 0.3333, 0.4431
CMYK	0.22, 0.00, 0.16, 0.33
HSL	135°, 18%, 59%
HSV	135°, 22%, 67%
XYZ	28.9316, 35.6890, 30.9579
YIQ	155.7450, -13.0640, -16.5520

Conversions

Conversions Part 2

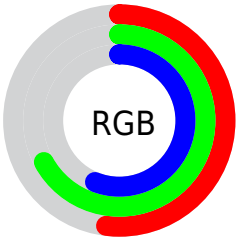
Format	Color
RYB	133, 163, 170
Decimal	8759950
CIELab	66.28, -18.32, 10.35
CIELCh	66, 21.043, 150.530
Yxy	35.6890, 0.3027, 0.3734
Android (android.graphics.Color)	4286950030 (0xFF85AA8E)
YUV	155.7450, -6.7763, -19.9474
Hunter-Lab	59.7403, -18.0998, 11.0937

Details

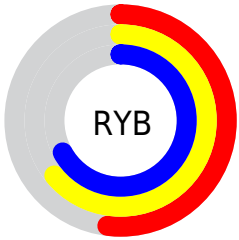
The Yxy color 35.6890, 0.3027, 0.3734 is a dark color, and the websafe version is hex 669966. A complement of this color would be 27.8974, 0.3246, 0.2884, and the grayscale version is 33.1630, 0.3127, 0.3290.

A 20% lighter version of the original color is 68.4007, 0.3049, 0.3635, and 15.5686, 0.2991, 0.3888 is the 20% darker color. If you saturate the color by 10%, you get 34.0524, 0.2983, 0.3976, and if you desaturate by 10%, it is 37.5972, 0.3073, 0.3516.

Distribution

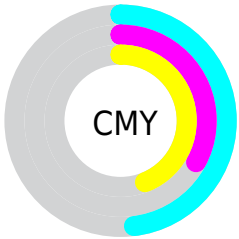


- Red (52%)
- Green (67%)
- Blue (56%)



- Red (52%)
- Yellow (64%)
- Blue (67%)

- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)



- Cyan (48%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6890, 0.3027, 0.3734 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 35.6890, 0.3027, 0.3734 by changing the saturation by 10% instead.

35.6890, 0.3027, 0.3734

35.6890, 0.3027, 0.3734

327.5992, 0.3083, 0.3496

24.1941, 0.3011, 0.3800

68.5518, 0.3049, 0.3643

15.4777, 0.2989, 0.3888

90.6884, 0.3056, 0.3610

9.1553, 0.2957, 0.4013

117.1411, 0.3063, 0.3583

4.8426, 0.2907, 0.4203

148.2943, 0.3068, 0.3560

2.1552, 0.2816, 0.4526

184.5323, 0.3072, 0.3540

0.6954, 0.2268, 0.7378

226.2395, 0.3076,

0.0000, 0.0000,

0.3523

0.0000

273.8003, 0.3080, 0.3509

35.6890, 0.3027, 0.3734

35.6890, 0.3027, 0.3734

34.0524, 0.2983, 0.3976

37.5972, 0.3073, 0.3516

32.6705, 0.2944, 0.4239

39.7839, 0.3119, 0.3322

31.5318, 0.2911, 0.4517

42.2614, 0.3164, 0.3151

30.6216, 0.2889, 0.4801

45.0400, 0.3208, 0.3001

29.9240, 0.2879, 0.5079

48.1294, 0.3250, 0.2871

29.4209, 0.2882, 0.5337

29.0908, 0.2900, 0.5560

28.9124, 0.2920, 0.5711

51.5387, 0.3289, 0.2758

55.2771, 0.3325, 0.2660

56.5979, 0.3245, 0.2548

57.2299, 0.3166, 0.2460

Harmonies

Analogous

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

35.6890, 0.3348, 0.3862

35.6890, 0.3027, 0.3734

35.6890, 0.2743, 0.3467

Triad

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

35.6890, 0.3027, 0.3734

35.6890, 0.2644, 0.2777

35.6890, 0.3723, 0.3373

Complementary

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

35.6890, 0.3027, 0.3734

27.8974, 0.3246, 0.2884

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.

35.6890, 0.3515, 0.3111

35.6890, 0.3027, 0.3734

35.6890, 0.2886, 0.2777

Square

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

35.6890, 0.3027, 0.3734

35.6890, 0.2530, 0.2909

35.6890, 0.3204, 0.2898

35.6890, 0.3761, 0.3629

Rectangle

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

35.6890, 0.3027, 0.3734

35.6890, 0.2609, 0.3259

35.6890, 0.3204, 0.2898

35.6890, 0.3671, 0.3284

Sweetspot

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

35.6905, 0.3027, 0.3734

69.9887, 0.3094, 0.3423

38.0592, 0.3364, 0.3836

15.5577, 0.3092, 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.

35.6905, 0.3027, 0.3734

63.2958, 0.3006, 0.3845

36.2801, 0.2885, 0.3442

8.4366, 0.3084, 0.3465

21.2757, 0.2915, 0.5694

0.5254, 0.2738, 0.5058

Inverse Universe

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

27.8974, 0.3246, 0.2884

46.6625, 0.3277, 0.2793

27.3034, 0.3445, 0.3144

7.6350, 0.3173, 0.3121

7.4547, 0.3924, 0.1935

0.1887, 0.3645, 0.1781

Previews

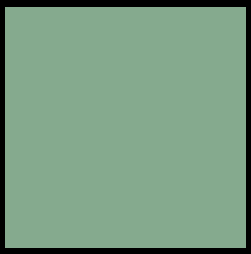
White Background

This preview shows how the Yxy color 35.6890, 0.3027, 0.3734 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



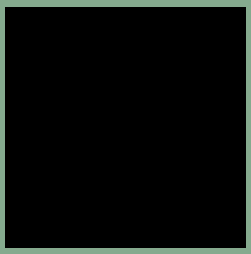
This preview shows how the Yxy color 35.6890, 0.3027, 0.3734 looks on a black background.

Color Contrast Check

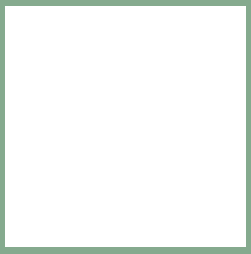
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

Yxy 35.6890, 0.3027, 0.3734 Background



This preview shows how black text looks on a background with the Yxy color 35.6890, 0.3027, 0.3734.



This preview shows how white text looks on a background with the Yxy color 35.6890, 0.3027, 0.3734.

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

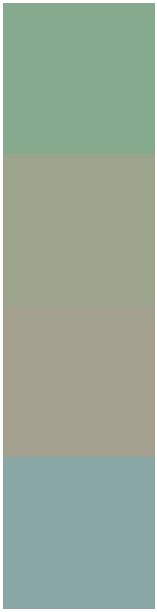
Original Color
35.6890, 0.3027, 0.3734

Protanopia
35.3828, 0.3428, 0.3627

Deuteranopia
35.4321, 0.3498, 0.3431

Tritanopia
35.7001, 0.2802, 0.3096

Trichromacy



Original Color
35.6890, 0.3027, 0.3734

Protanomaly
35.4829, 0.3271, 0.3668

Deuteranomaly
35.0477, 0.3312, 0.3527

Tritanomaly
35.6724, 0.2878, 0.3320

Monochromacy

Original Color
35.6890, 0.3027, 0.3734

Achromatopsia
33.2452, 0.3127, 0.3290

Achromatomaly
34.0200, 0.3092, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6890, 0.3027, 0.3734 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(133, 170, 142) looks like.

```
.text, #text, p{
    color:rgb(133, 170, 142)
}
```

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(133, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 35.6890, 0.3027, 0.3734 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(133, 170, 142) }
```

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

```
.border{ border-color:rgb(133, 170, 142) }
```

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

Here you see how a box with a 4 pixel rgb(133, 170, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 170, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 170, 142); box-shadow:4px 4px 4px 4px rgb(133, 170, 142) }
```

Background

The CSS property to change the background color of an element to Yxy 35.6890, 0.3027, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(133, 170, 142) }
```

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

```
.background{ background-color:rgb(133,
170, 142) }
```

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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