

Converting Colors

$Y_{xy}(37.5981, 0.2955, 0.3674)$

Have a look what the booklet for
Yxy(37.5981, 0.2955, 0.3674)
contains.

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Color

Yxy(37.7675, 0.2956, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	84AF96
RGB	132, 175, 150
RGB Percent	52%, 69%, 59%
CMY	0.4825, 0.3137, 0.4118
CMYK	0.25, 0.00, 0.14, 0.31
HSL	145°, 21%, 60%
HSV	145°, 25%, 69%
XYZ	30.3454, 37.7675, 34.5441
YIQ	159.2930, -17.6030, -16.8910

Conversions

Conversions Part 2

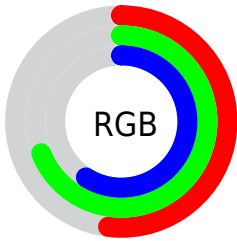
Format	Color
RYB	132, 162, 175
Decimal	8695702
CIELab	67.85, -19.68, 8.16
CIELCh	68, 21.308, 157.481
Yxy	37.7675, 0.2956, 0.3679
Android (android.graphics.Color)	4286885782 (0xFF84AF96)
YUV	159.2930, -4.5814, -23.9360
Hunter-Lab	61.4553, -19.4069, 9.6917

Details

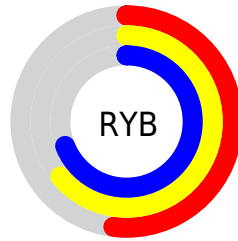
The Yxy color **37.7675, 0.2956, 0.3679** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0394, 0.3346, 0.2931**, and the grayscale version is **34.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9506, 0.2993, 0.3606**, and **16.5693, 0.2897, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **36.1616, 0.2893, 0.3867**, and if you desaturate by 10%, it is **39.6417, 0.3024, 0.3508**.

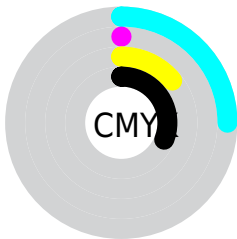
Distribution



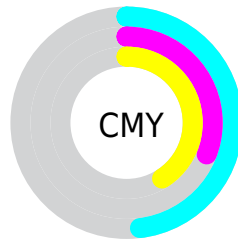
- Red (52%)
- Green (69%)
- Blue (59%)



- Red (52%)
- Yellow (64%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)





- Cyan (48%)
- Magenta (31%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7675, 0.2956, 0.3679 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 37.7675, 0.2956, 0.3679 by changing the saturation by 10% instead.

 37.7675, 0.2956,
0.3679

 37.7675, 0.2956,
0.3679


336.6216, 0.3047,
0.3472

 25.8023, 0.2931,
0.3735


 71.7516, 0.2991,
0.3601

 16.6758, 0.2898,
0.3810


 94.5394, 0.3003,
0.3572

 10.0036, 0.2852,
0.3914


 121.7034, 0.3013,
0.3549

 5.4014, 0.2782,
0.4071

153.6280, 0.3022,
0.3529

 2.4846, 0.2666,
0.4332

190.6978, 0.3030,
0.3512

 0.8689, 0.2172,
0.5465

233.2971, 0.3036,

 0.0000, 0.0000,

0.3497

0.0000

281.8102, 0.3042,
0.3484

■ 37.7675, 0.2956,
0.3679

■ 37.7675, 0.2956,
0.3679

■ 36.1616, 0.2893,
0.3867

■ 39.6417, 0.3024,
0.3508

■ 34.8066, 0.2838,
0.4070

■ 41.7910, 0.3094,
0.3355

■ 33.6907, 0.2793,
0.4286

■ 44.2281, 0.3165,
0.3218

■ 32.7989, 0.2763,
0.4510

■ 46.9632, 0.3236,
0.3098

■ 32.1145, 0.2750,
0.4735

■ 50.0063, 0.3304,
0.2992

■ 31.6186, 0.2755,
0.4953

■ 53.3667, 0.3369,
0.2900

■ 31.2881, 0.2779,
0.5158

■ 57.0533, 0.3432,
0.2819

■ 31.1507, 0.2795,
0.5262

■ 57.7136, 0.3351,
0.2722

■ 58.3061, 0.3269,
0.2628

Harmonies

Analogous

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



37.7675, 0.3274, 0.3844



37.7675, 0.2956, 0.3679



37.7675, 0.2693, 0.3394

Triad

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



37.7675, 0.2956, 0.3679



37.7675, 0.2693, 0.2769



37.7675, 0.3744, 0.3435

Complementary

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



37.7675, 0.2956, 0.3679



28.0394, 0.3346, 0.2931

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.



37.7675, 0.3573, 0.3170



37.7675, 0.2956, 0.3679



37.7675, 0.2956, 0.2798

Square

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



37.7675, 0.2956, 0.3679



37.7675, 0.2547, 0.2870



37.7675, 0.3279, 0.2943



37.7675, 0.3739, 0.3679

Rectangle

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



37.7675, 0.2956, 0.3679



37.7675, 0.2580, 0.3189



37.7675, 0.3279, 0.2943



37.7675, 0.3705, 0.3346

Sweetspot

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



37.7691, 0.2956, 0.3679



73.8164, 0.3077, 0.3392



39.5052, 0.3322, 0.3927



16.3555, 0.3072, 0.3400



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.



37.7691, 0.2956, 0.3679



65.8729, 0.2918, 0.3788



38.5236, 0.2797, 0.3343



8.9930, 0.3061, 0.3425



22.3160, 0.2789, 0.5240



0.6319, 0.2615, 0.4615

Inverse Universe

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



28.0394, 0.3346, 0.2931



45.1692, 0.3414, 0.2841



27.3708, 0.3590, 0.3238



8.0904, 0.3199, 0.3159



7.2215, 0.4591, 0.2303



0.2115, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 37.7675, 0.2956, 0.3679 looks on a white background.

Color Contrast Check

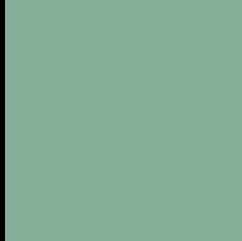
Large Text (above 18pt) WCAG AA × Fail

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 37.7675, 0.2956, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

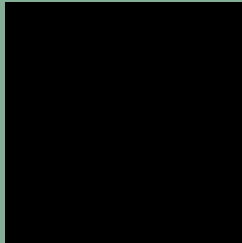
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7675, 0.2956, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 37.7675, 0.2956, 0.3679.



This preview shows how white text looks on a background with the Yxy color 37.7675, 0.2956, 0.3679.

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

37.7675, 0.2956, 0.3679

Protanopia

37.3352, 0.3384, 0.3577

Deuteranopia

37.4105, 0.3440, 0.3373



Tritanopia

37.6134, 0.2747, 0.3084

Trichromacy



Original Color

37.7675, 0.2956, 0.3679

Protanomaly

37.2487, 0.3214, 0.3617

Deuteranomaly

37.2843, 0.3251, 0.3478

Tritanomaly

37.7178, 0.2821, 0.3289

Monochromacy



Original Color

37.7675, 0.2956, 0.3679

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.7001, 0.3056, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7675, 0.2956, 0.3679 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(132, 175, 150)` looks like.

```
.text, #text, p{  
    color:rgb(132, 175, 150)  
}
```

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(132, 175, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 175, 150) }
```

Border

The CSS property to change the border of an element to Yxy 37.7675, 0.2956, 0.3679 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(132, 175, 150) }
```

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

```
.border{ border-color:rgb(132, 175, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 175, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 175, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 175, 150);  
box-shadow:4px 4px 4px 4px rgb(132, 175,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7675, 0.2956, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 175, 150) }
```

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

```
.background{ background-color: rgb(132,  
175, 150) }
```

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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