

Converting Colors

$Yxy(37.0640, 0.2993, 0.3959)$

Have a look what the booklet for
Yxy(37.0640, 0.2993, 0.3959)
contains.

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Color

Yxy(36.9375, 0.2988, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	7AB087
RGB	122, 176, 135
RGB Percent	48%, 69%, 53%
CMY	0.5217, 0.3098, 0.4705
CMYK	0.31, 0.00, 0.23, 0.31
HSL	134°, 25%, 58%
HSV	134°, 31%, 69%
XYZ	27.9204, 36.9375, 28.5838
YIQ	155.1800, -19.0230, -24.1990

Conversions

Conversions Part 2

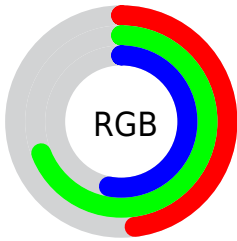
Format	Color
RYB	122, 166, 176
Decimal	8040583
CIELab	67.23, -26.37, 15.44
CIELCh	67, 30.560, 149.655
Yxy	36.9375, 0.2988, 0.3953
Android (android.graphics.Color)	4286230663 (0xFF7AB087)
YUV	155.1800, -9.9487, -29.0989
Hunter-Lab	60.7762, -24.3562, 14.6585

Details

The Yxy color **36.9375, 0.2988, 0.3953** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.7823, 0.3306, 0.2708**, and the grayscale version is **32.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5742, 0.3024, 0.3822**, and **16.1614, 0.2933, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **35.4162, 0.2948, 0.4215**, and if you desaturate by 10%, it is **38.7417, 0.3032, 0.3712**.

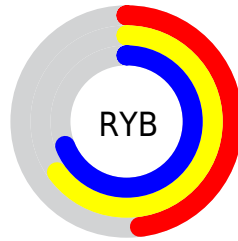
Distribution



Red (48%)

Green (69%)

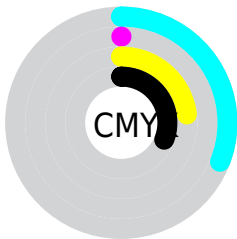
Blue (53%)



Red (48%)

Yellow (65%)

Blue (69%)

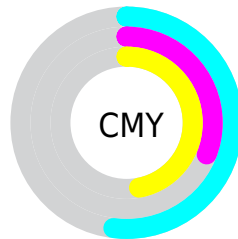


Cyan (31%)

Magenta (0%)

Yellow (23%)

Black (31%)



Cyan (52%)


Magenta (31%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9375, 0.2988, 0.3953 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 36.9375, 0.2988, 0.3953 by changing the saturation by 10% instead.


 36.9375, 0.2988,
0.3953


 36.9375, 0.2988,
0.3953


333.0399, 0.3067,
0.3595


 25.1591, 0.2964,
0.4052


 70.4766, 0.3019,
0.3816

 16.1956, 0.2932,
0.4186


 93.0062, 0.3030,
0.3767

 9.6627, 0.2883,
0.4375


 119.8882, 0.3039,
0.3726

 5.1759, 0.2805,
0.4664

151.5072, 0.3047,
0.3691

 2.3508, 0.2660,
0.5153

188.2474, 0.3053,
0.3662

 0.8004, 0.1275,
0.8725

230.4934, 0.3059,

 0.0000, 0.0000,

0.3636

0.0000

278.6294, 0.3063,
0.3614

■ 36.9375, 0.2988,
0.3953

■ 36.9375, 0.2988,
0.3953

■ 35.4162, 0.2948,
0.4215

■ 38.7417, 0.3032,
0.3712

■ 34.1589, 0.2915,
0.4494

■ 40.8375, 0.3078,
0.3495

■ 33.1514, 0.2891,
0.4779

■ 43.2387, 0.3124,
0.3303

■ 32.3766, 0.2880,
0.5060


■ 45.9572, 0.3169,
0.3133


■ 31.8149, 0.2883,
0.5321


■ 49.0040, 0.3212,
0.2986


 31.4434, 0.2899,
0.5547

 52.3896, 0.3253,
0.2857

 31.2260, 0.2922,
0.5718

 56.1240, 0.3292,
0.2745

 58.7145, 0.3265,
0.2635

 59.5351, 0.3163,
0.2517

Harmonies

Analogous

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



36.9375, 0.3445, 0.4124



36.9375, 0.2988, 0.3953



36.9375, 0.2587, 0.3556

Triad

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



36.9375, 0.2988, 0.3953



36.9375, 0.2438, 0.2569



36.9375, 0.3982, 0.3382

Complementary

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



36.9375, 0.2988, 0.3953



25.7823, 0.3306, 0.2708

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.



36.9375, 0.3672, 0.3023



36.9375, 0.2988, 0.3953



36.9375, 0.2767, 0.2572

Square

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



36.9375, 0.2988, 0.3953



36.9375, 0.2289, 0.2748



36.9375, 0.3217, 0.2736



36.9375, 0.4039, 0.3744

Rectangle

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



36.9375, 0.2988, 0.3953



36.9375, 0.2402, 0.3247



36.9375, 0.3217, 0.2736



36.9375, 0.3903, 0.3258

Sweetspot

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



36.9390, 0.2988, 0.3953



74.6950, 0.3085, 0.3464



40.2878, 0.3461, 0.4074



16.0603, 0.3078, 0.3493



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.



36.9390, 0.2988, 0.3953



65.0179, 0.2960, 0.4133



37.7837, 0.2793, 0.3514



9.5226, 0.3084, 0.3467



22.9158, 0.2917, 0.5702



0.7303, 0.2762, 0.5144

Inverse Universe

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



25.7823, 0.3306, 0.2708



41.4675, 0.3357, 0.2576



24.9277, 0.3623, 0.3079



8.6109, 0.3173, 0.3119



8.0343, 0.3921, 0.1933



0.2613, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 36.9375, 0.2988, 0.3953 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 36.9375, 0.2988, 0.3953 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 36.9375, 0.2988, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 36.9375, 0.2988, 0.3953.



This preview shows how white text looks on a background with the Yxy color 36.9375, 0.2988, 0.3953.

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

36.9375, 0.2988, 0.3953

Protanopia

36.6636, 0.3536, 0.3780

Deuteranopia

36.5428, 0.3603, 0.3539



Tritanopia

36.9936, 0.2701, 0.3095

Trichromacy



Original Color

36.9375, 0.2988, 0.3953

Protanomaly

36.5140, 0.3315, 0.3852

Deuteranomaly

36.1724, 0.3349, 0.3675

Tritanomaly

36.8474, 0.2803, 0.3382

Monochromacy



Original Color

36.9375, 0.2988, 0.3953

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1721, 0.3070, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9375, 0.2988, 0.3953 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(122, 176, 135)` looks like.

```
.text, #text, p{  
    color:rgb(122, 176, 135)  
}
```

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(122, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 176, 135) }
```

Border

The CSS property to change the border of an element to Yxy 36.9375, 0.2988, 0.3953 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(122, 176, 135) }
```

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

```
.border{ border-color:rgb(122, 176, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 176, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 176, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 176, 135);  
box-shadow:4px 4px 4px 4px rgb(122, 176,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9375, 0.2988, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 176, 135) }
```

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

```
.background{ background-color: rgb(122,  
176, 135) }
```

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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