

Converting Colors

$Yxy(36.8401, 0.2830, 0.3751)$

Have a look what the booklet for
Yxy(36.8401, 0.2830, 0.3751)
contains.

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Color

Yxy(36.7662, 0.2831, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	72B094
RGB	114, 176, 148
RGB Percent	45%, 69%, 58%
CMY	0.5530, 0.3098, 0.4196
CMYK	0.35, 0.00, 0.16, 0.31
HSL	153°, 28%, 57%
HSV	153°, 35%, 69%
XYZ	27.8079, 36.7662, 33.6524
YIQ	154.2700, -27.9640, -21.8520

Conversions

Conversions Part 2

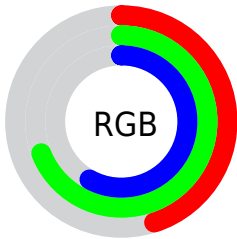
Format	Color
RYB	114, 154, 176
Decimal	7516308
CIELab	67.10, -26.26, 8.06
CIELCh	67, 27.472, 162.949
Yxy	36.7662, 0.2831, 0.3743
Android (android.graphics.Color)	4285706388 (0xFF72B094)
YUV	154.2700, -3.0911, -35.3168
Hunter-Lab	60.6351, -24.2494, 9.5387

Details

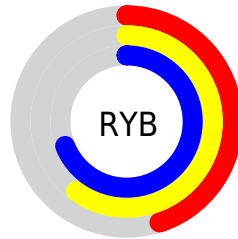
The Yxy color **36.7662, 0.2831, 0.3743** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.2115, 0.3575, 0.2882**, and the grayscale version is **32.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3023, 0.2892, 0.3652**, and **16.0531, 0.2732, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **35.4561, 0.2763, 0.3899**, and if you desaturate by 10%, it is **38.3236, 0.2908, 0.3599**.

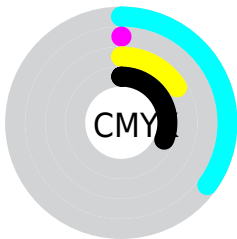
Distribution



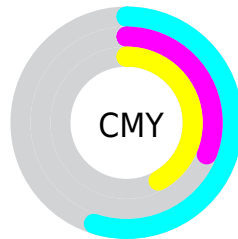
- Red (45%)
- Green (69%)
- Blue (58%)



- Red (45%)
- Yellow (60%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (55%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7662, 0.2831, 0.3743 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 36.7662, 0.2831, 0.3743 by changing the saturation by 10% instead.


 36.7662, 0.2831,
0.3743


 36.7662, 0.2831,
0.3743


332.2972, 0.2988,
0.3501


 25.0265, 0.2789,
0.3809


 70.2131, 0.2890,
0.3651

 16.0968, 0.2732,
0.3898


 92.6890, 0.2912,
0.3617

 9.5927, 0.2653,
0.4024


 119.5125, 0.2930,
0.3590

 5.1297, 0.2535,
0.4213

151.0680, 0.2945,
0.3566

 2.3236, 0.2340,
0.4533

187.7398, 0.2958,
0.3546

 0.7862, 0.0895,
0.6634

229.9123, 0.2970,

 0.0000, 0.0000,

0.3529

0.0000

277.9700, 0.2979,
0.3514

■ 36.7662, 0.2831,
0.3743

■ 36.7662, 0.2831,
0.3743

■ 35.4561, 0.2763,
0.3899

■ 38.3236, 0.2908,
0.3599

■ 34.3755, 0.2708,
0.4064

■ 40.1362, 0.2992,
0.3467

■ 33.5110, 0.2669,
0.4236

■ 42.2171, 0.3080,
0.3348


■ 32.8462, 0.2648,
0.4411


■ 44.5769, 0.3170,
0.3241


■ 32.3619, 0.2646,
0.4586

■ 47.2260, 0.3259,
0.3146

 32.0346, 0.2664,
0.4755

 50.1739, 0.3347,
0.3062

 31.9089, 0.2676,
0.4834

 53.4299, 0.3433,
0.2989

 57.0027, 0.3515,
0.2925

 57.4544, 0.3449,
0.2846

Harmonies

Analogous

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



36.7662, 0.3235, 0.3999



36.7662, 0.2831, 0.3743



36.7662, 0.2520, 0.3347

Triad

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



36.7662, 0.2831, 0.3743



36.7662, 0.2618, 0.2617



36.7662, 0.3949, 0.3527

Complementary

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



36.7662, 0.2831, 0.3743



23.2115, 0.3575, 0.2882

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.



36.7662, 0.3765, 0.3190



36.7662, 0.2831, 0.3743



36.7662, 0.2975, 0.2687

Square

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



36.7662, 0.2831, 0.3743



36.7662, 0.2405, 0.2709



36.7662, 0.3398, 0.2892



36.7662, 0.3894, 0.3833

Rectangle

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



36.7662, 0.2831, 0.3743



36.7662, 0.2399, 0.3082



36.7662, 0.3398, 0.2892



36.7662, 0.3913, 0.3415

Sweetspot

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



36.7677, 0.2831, 0.3743



74.2567, 0.3028, 0.3417



38.1006, 0.3332, 0.4249



15.9874, 0.3016, 0.3433



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.



36.7677, 0.2831, 0.3743



64.8564, 0.2779, 0.3859



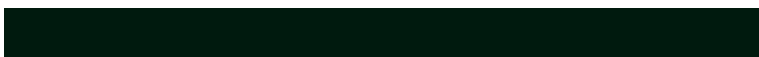
36.9593, 0.2634, 0.3257



9.5655, 0.3044, 0.3395



23.4218, 0.2671, 0.4817



0.7485, 0.2540, 0.4345

Inverse Universe

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



23.2115, 0.3575, 0.2882



36.7043, 0.3712, 0.2794



22.9454, 0.3938, 0.3323



8.5669, 0.3219, 0.3188



7.2026, 0.5132, 0.2601



0.2384, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 36.7662, 0.2831, 0.3743 looks on a white background.

Color Contrast Check

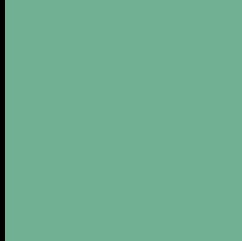
Large Text (above 18pt) WCAG AA × Fail

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 36.7662, 0.2831, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

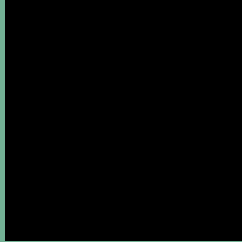
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7662, 0.2831, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 36.7662, 0.2831, 0.3743.



This preview shows how white text looks on a background with the Yxy color 36.7662, 0.2831, 0.3743.

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

36.7662, 0.2831, 0.3743

Protanopia

36.3098, 0.3396, 0.3594

Deuteranopia

36.3260, 0.3424, 0.3360



Tritanopia

36.7662, 0.2624, 0.3078

Trichromacy



Original Color

36.7662, 0.2831, 0.3743

Protanomaly

36.1351, 0.3166, 0.3640

Deuteranomaly

35.9534, 0.3175, 0.3484

Tritanomaly

36.7876, 0.2694, 0.3304

Monochromacy



Original Color

36.7662, 0.2831, 0.3743

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.5966, 0.2999, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7662, 0.2831, 0.3743 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(114, 176, 148)` looks like.

```
.text, #text, p{  
    color:rgb(114, 176, 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(114, 176, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 176, 148) }
```

Border

The CSS property to change the border of an element to Yxy 36.7662, 0.2831, 0.3743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

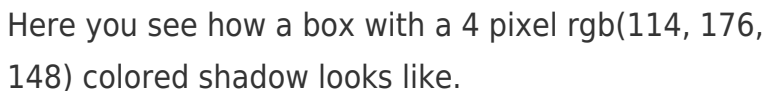
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 176, 148) }
```

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

```
.border{ border-color:rgb(114, 176, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 176, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 176, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 176, 148); box-shadow:4px 4px 4px 4px rgb(114, 176, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7662, 0.2831, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 176, 148) }
```

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

```
.background{ background-color: rgb(114,  
176, 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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