

Converting Colors

$Yxy(35.1061, 0.2698, 0.3610)$

Have a look what the booklet for
Yxy(35.1061, 0.2698, 0.3610)
contains.

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Color

Yxy(35.0450, 0.2700, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	66AD9A
RGB	102, 173, 154
RGB Percent	40%, 68%, 60%
CMY	0.5998, 0.3216, 0.3960
CMYK	0.41, 0.00, 0.11, 0.32
HSL	164°, 30%, 54%
HSV	164°, 41%, 68%
XYZ	26.2619, 35.0450, 35.9593
YIQ	149.6050, -36.2170, -20.9610

Conversions

Conversions Part 2

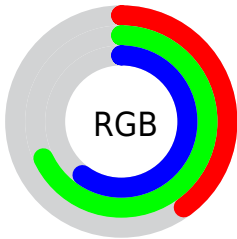
Format	Color
RYB	102, 143, 173
Decimal	6729114
CIELab	65.78, -26.85, 2.76
CIELCh	66, 26.997, 174.128
Yxy	35.0450, 0.2700, 0.3603
Android (android.graphics.Color)	4284919194 (0xFF66AD9A)
YUV	149.6050, 2.1667, -41.7496
Hunter-Lab	59.1988, -24.4115, 5.4245

Details

The Yxy color **35.0450, 0.2700, 0.3603** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.7796, 0.3867, 0.3006**, and the grayscale version is **30.3321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6606, 0.2785, 0.3548**, and **15.0652, 0.2564, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **33.9869, 0.2622, 0.3694**, and if you desaturate by 10%, it is **36.3228, 0.2791, 0.3517**.

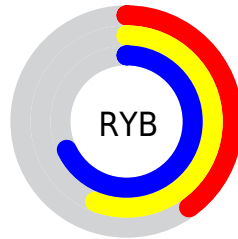
Distribution



Red (40%)

Green (68%)

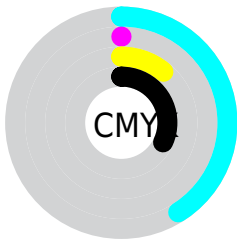
Blue (60%)



Red (40%)

Yellow (56%)

Blue (68%)

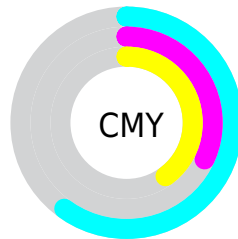


Cyan (41%)

Magenta (0%)

Yellow (11%)

Black (32%)



Cyan (60%)

Magenta (32%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0450, 0.2700, 0.3603 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 35.0450, 0.2700, 0.3603 by changing the saturation by 10% instead.


 35.0450, 0.2700,
0.3603


 35.0450, 0.2700,
0.3603


324.7669, 0.2924,
0.3437


 23.6975, 0.2640,
0.3648


 67.5555, 0.2784,
0.3540


 15.1094, 0.2562,
0.3707


 89.4873, 0.2815,
0.3518

 8.8962, 0.2453,
0.3791


 115.7160, 0.2841,
0.3499

 4.6735, 0.2293,
0.3916

 146.6260, 0.2862,
0.3482

 2.0570, 0.2036,
0.4122

182.6017, 0.2881,
0.3469

 0.6403, 0.0000,
0.5595

224.0275, 0.2897,

 0.0000, 0.0000,

0.3457

0.0000

271.2878, 0.2912,
0.3446

■ 35.0450, 0.2700,
0.3603

■ 35.0450, 0.2700,
0.3603

■ 33.9869, 0.2622,
0.3694

■ 36.3228, 0.2791,
0.3517

■ 33.1311, 0.2560,
0.3790

■ 37.8282, 0.2893,
0.3437

■ 32.4640, 0.2516,
0.3888


■ 39.5738, 0.3002,
0.3363

■ 31.9690, 0.2491,
0.3988


■ 41.5703, 0.3116,
0.3296

■ 31.6261, 0.2486,
0.4087


■ 43.8273, 0.3232,
0.3236

 31.4092, 0.2493,
0.4176

 46.3542, 0.3349,
0.3183

 49.1599, 0.3465,
0.3135

 52.2528, 0.3578,
0.3094

 55.1147, 0.3664,
0.3055

Harmonies

Analogous

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



35.0450, 0.3080, 0.3927



35.0450, 0.2700, 0.3603



35.0450, 0.2444, 0.3195

Triad

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



35.0450, 0.2700, 0.3603



35.0450, 0.2738, 0.2626



35.0450, 0.3956, 0.3648

Complementary

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



35.0450, 0.2700, 0.3603



19.7796, 0.3867, 0.3006

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.



35.0450, 0.3859, 0.3315



35.0450, 0.2700, 0.3603



35.0450, 0.3131, 0.2750

Square

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



35.0450, 0.2700, 0.3603



35.0450, 0.2465, 0.2656



35.0450, 0.3548, 0.2995



35.0450, 0.3815, 0.3921

Rectangle

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



35.0450, 0.2700, 0.3603



35.0450, 0.2368, 0.2952



35.0450, 0.3548, 0.2995



35.0450, 0.3951, 0.3540

Sweetspot

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



35.0464, 0.2700, 0.3603



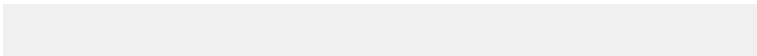
70.4807, 0.2988, 0.3372



34.9940, 0.3239, 0.4464



15.2288, 0.2974, 0.3381



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.



35.0464, 0.2700, 0.3603



61.0733, 0.2630, 0.3684



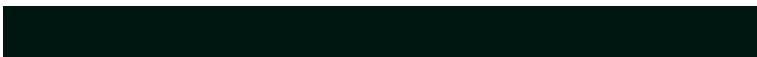
30.1709, 0.2535, 0.3036



9.0350, 0.3021, 0.3351



23.0868, 0.2490, 0.4165



0.6507, 0.2408, 0.3867

Inverse Universe

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



19.7796, 0.3867, 0.3006



30.0556, 0.4116, 0.2949



22.6669, 0.4050, 0.3525



8.0492, 0.3246, 0.3230



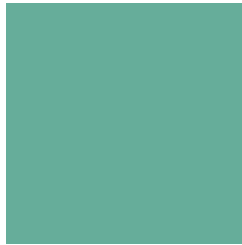
6.6817, 0.5835, 0.2988



0.1950, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 35.0450, 0.2700, 0.3603 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 35.0450, 0.2700, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

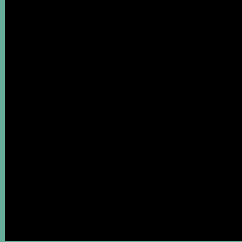
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0450, 0.2700, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 35.0450, 0.2700, 0.3603.



This preview shows how white text looks on a background with the Yxy color 35.0450, 0.2700, 0.3603.

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

35.0450, 0.2700, 0.3603

Protanopia

34.5284, 0.3307, 0.3467

Deuteranopia

34.6938, 0.3300, 0.3234



Tritanopia

35.0045, 0.2551, 0.3086

Trichromacy



Original Color

35.0450, 0.2700, 0.3603

Protanomaly

34.1151, 0.3052, 0.3508

Deuteranomaly

34.2200, 0.3040, 0.3351

Tritanomaly

34.7922, 0.2599, 0.3257

Monochromacy



Original Color

35.0450, 0.2700, 0.3603

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6746, 0.2952, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0450, 0.2700, 0.3603 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(102, 173, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 154)  
}
```

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(102, 173, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 154) }
```

Border

The CSS property to change the border of an element to Yxy 35.0450, 0.2700, 0.3603 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(102, 173, 154) }
```

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

```
.border{ border-color:rgb(102, 173, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0450, 0.2700, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 154) }
```

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

```
.background{ background-color: rgb(102,  
173, 154) }
```

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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