

Converting Colors

$Yxy(35.6626, 0.3058, 0.4315)$

Have a look what the booklet for
Yxy(35.6626, 0.3058, 0.4315)
contains.

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Color

Yxy(35.7332, 0.3055, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	70B073
RGB	112, 176, 115
RGB Percent	44%, 69%, 45%
CMY	0.5609, 0.3098, 0.5491
CMYK	0.36, 0.00, 0.35, 0.31
HSL	123°, 29%, 56%
HSV	123°, 36%, 69%
XYZ	25.2989, 35.7332, 21.7794
YIQ	149.9100, -18.5630, -32.5390

Conversions

Conversions Part 2

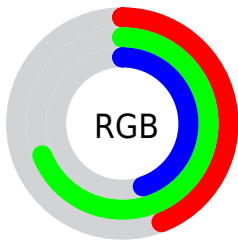
Format	Color
RYB	112, 173, 176
Decimal	7385203
CIELab	66.32, -33.18, 24.96
CIElCh	66, 41.517, 143.048
Yxy	35.7332, 0.3055, 0.4315
Android (android.graphics.Color)	4285575283 (0xFF70B073)
YUV	149.9100, -17.2106, -33.2471
Hunter-Lab	59.7773, -29.0654, 20.2422

Details

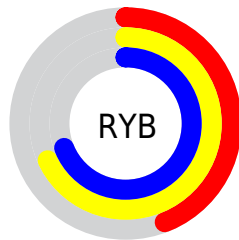
The Yxy color **35.7332, 0.3055, 0.4315** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.8310, 0.3202, 0.2443**, and the grayscale version is **30.5373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6102, 0.3083, 0.4102**, and **15.5199, 0.3002, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **34.3395, 0.3035, 0.4654**, and if you desaturate by 10%, it is **37.4258, 0.3076, 0.3995**.

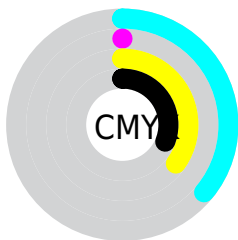
Distribution



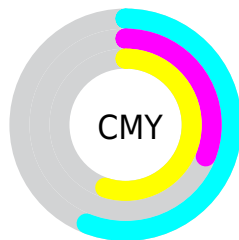
- Red (44%)
- Green (69%)
- Blue (45%)



- Red (44%)
- Yellow (68%)
- Blue (69%)



- Cyan (36%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)





- Cyan (56%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7332, 0.3055, 0.4315 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 35.7332, 0.3055, 0.4315 by changing the saturation by 10% instead.


 35.7332, 0.3055,
0.4315

 35.7332, 0.3055,
0.4315


327.7929, 0.3109,
0.3752

 24.2282, 0.3034,
0.4474


 68.6201, 0.3080,
0.4097


 15.5030, 0.3001,
0.4689


 90.7707, 0.3088,
0.4019

 9.1732, 0.2946,
0.4996


 117.2388, 0.3093,
0.3955

 4.8543, 0.2843,
0.5463

 148.4085, 0.3098,
0.3901

 2.1620, 0.2760,
0.6567

184.6644, 0.3102,
0.3856

 0.6992, 0.0000,
1.0000


226.3909, 0.3105,

 0.0000, 0.0000,


0.3816


0.0000


273.9722, 0.3107,
0.3782


 35.7332, 0.3055,
0.4315


 35.7332, 0.3055,
0.4315

 34.3395, 0.3035,
0.4654


 37.4258, 0.3076,
0.3995


 33.2232, 0.3017,
0.4994

 39.4285, 0.3096,
0.3702


 32.3670, 0.3003,
0.5316


 41.7574, 0.3115,
0.3440

 31.7498, 0.2994,
0.5593

 44.4260, 0.3134,
0.3211


 31.3474, 0.2991,
0.5805


 47.4473, 0.3150,
0.3011

 31.1278, 0.2993,
0.5938

 50.8334, 0.3165,
0.2839

 31.0722, 0.2991,
0.5969

 54.5959, 0.3178,
0.2691

 58.7460, 0.3190,
0.2564

 59.5340, 0.3163,
0.2517

Harmonies

Analogous

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



35.7332, 0.3669, 0.4443



35.7332, 0.3055, 0.4315



35.7332, 0.2492, 0.3797

Triad

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



35.7332, 0.3055, 0.4315



35.7332, 0.2143, 0.2353



35.7332, 0.4238, 0.3281

Complementary

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



35.7332, 0.3055, 0.4315



23.8310, 0.3202, 0.2443

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.



35.7332, 0.3744, 0.2833



35.7332, 0.3055, 0.4315



35.7332, 0.2521, 0.2318

Square

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



35.7332, 0.3055, 0.4315



35.7332, 0.2005, 0.2626



35.7332, 0.3097, 0.2492



35.7332, 0.4389, 0.3766

Rectangle

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



35.7332, 0.3055, 0.4315



35.7332, 0.2218, 0.3355



35.7332, 0.3097, 0.2492



35.7332, 0.4105, 0.3124

Sweetspot

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



35.7347, 0.3055, 0.4315



73.6184, 0.3106, 0.3562



41.2075, 0.3644, 0.4185



15.8348, 0.3104, 0.3596



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.



35.7347, 0.3055, 0.4315



62.6463, 0.3038, 0.4598



36.5764, 0.2830, 0.3777



9.4964, 0.3110, 0.3514



22.7982, 0.2990, 0.5963



0.7195, 0.2947, 0.5809

Inverse Universe

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



23.8310, 0.3202, 0.2443



37.7373, 0.3221, 0.2259



22.7628, 0.3582, 0.2854



8.6397, 0.3145, 0.3076



8.8414, 0.3329, 0.1607



0.2803, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 35.7332, 0.3055, 0.4315 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 35.7332, 0.3055, 0.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

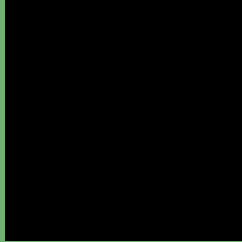
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7332, 0.3055, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 35.7332, 0.3055, 0.4315.



This preview shows how white text looks on a background with the Yxy color 35.7332, 0.3055, 0.4315.

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

35.7332, 0.3055, 0.4315

Protanopia

35.2230, 0.3753, 0.4039

Deuteranopia

35.2861, 0.3826, 0.3758



Tritanopia

35.7014, 0.2667, 0.3091

Trichromacy



Original Color

35.7332, 0.3055, 0.4315

Protanomaly

34.9994, 0.3463, 0.4141

Deuteranomaly

34.7257, 0.3517, 0.3954

Tritanomaly

35.5532, 0.2805, 0.3513

Monochromacy



Original Color

35.7332, 0.3055, 0.4315

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8367, 0.3101, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7332, 0.3055, 0.4315 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(112, 176, 115)` looks like.

```
.text, #text, p{  
    color:rgb(112, 176, 115)  
}
```

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(112, 176, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 176, 115) }
```

Border

The CSS property to change the border of an element to Yxy 35.7332, 0.3055, 0.4315 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(112, 176, 115) }
```

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

```
.border{ border-color:rgb(112, 176, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 176, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 176, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 176, 115);  
box-shadow:4px 4px 4px 4px rgb(112, 176,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7332, 0.3055, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 176, 115) }
```

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

```
.background{ background-color: rgb(112,  
176, 115) }
```

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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