

Converting Colors

$Yxy(40.2750, 0.3070, 0.4456)$

Have a look what the booklet for
Yxy(40.2750, 0.3070, 0.4456)
contains.

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Color

Yxy(40.3330, 0.3072, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	72BB72
RGB	114, 187, 114
RGB Percent	45%, 73%, 45%
CMY	0.5529, 0.2667, 0.5528
CMYK	0.39, 0.00, 0.39, 0.27
HSL	120°, 35%, 59%
HSV	120°, 39%, 73%
XYZ	27.7498, 40.3330, 22.2486
YIQ	156.8510, -20.0750, -38.1790

Conversions

Conversions Part 2

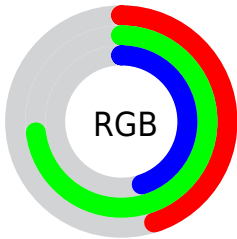
Format	Color
RYB	114, 187, 187
Decimal	7519090
CIELab	69.71, -37.72, 29.97
CIELCh	70, 48.179, 141.535
Yxy	40.3330, 0.3072, 0.4465
Android (android.graphics.Color)	4285709170 (0xFF72BB72)
YUV	156.8510, -21.1255, -37.5803
Hunter-Lab	63.5083, -33.1442, 23.6849

Details

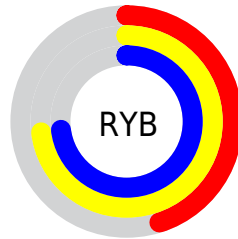
The Yxy color **40.3330, 0.3072, 0.4465** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.1914, 0.3172, 0.2341**, and the grayscale version is **33.7534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9264, 0.3096, 0.4221**, and **18.1174, 0.3010, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **38.8227, 0.3055, 0.4821**, and if you desaturate by 10%, it is **42.1901, 0.3088, 0.4121**.

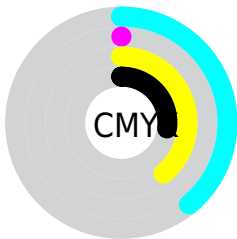
Distribution



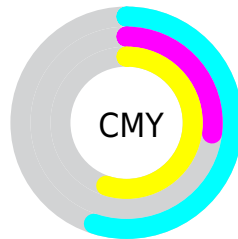
- Red (45%)
- Green (73%)
- Blue (45%)



- Red (45%)
- Yellow (73%)
- Blue (73%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3330, 0.3072, 0.4465 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 40.3330, 0.3072, 0.4465 by changing the saturation by 10% instead.


 40.3330, 0.3072,
0.4465


 40.3330, 0.3072,
0.4465


347.5251, 0.3122,
0.3828


 27.7983, 0.3050,
0.4640


 75.6703, 0.3096,
0.4222

 18.1737, 0.3016,
0.4873


 99.2417, 0.3104,
0.4134

 11.0747, 0.2959,
0.5198


 127.2608, 0.3109,
0.4061

 6.1171, 0.2852,
0.5677

160.1119, 0.3113,
0.4000

 2.9164, 0.2717,
0.6645

198.1795, 0.3116,
0.3948

 1.0883, 0.0845,
0.9155


241.8480, 0.3118,


 0.0000, 0.0000,


0.3903


0.0000


291.5017, 0.3120,
0.3863


 40.3330, 0.3072,
0.4465


 40.3330, 0.3072,
0.4465


 38.8227, 0.3055,
0.4821


 42.1901, 0.3088,
0.4121


 37.6331, 0.3039,
0.5169

 44.4081, 0.3103,
0.3803


 36.7424, 0.3024,
0.5481


 47.0067, 0.3116,
0.3518


 36.1242, 0.3013,
0.5732

 50.0025, 0.3128,
0.3267


 35.7472, 0.3005,
0.5901


 53.4112, 0.3138,
0.3049

 35.5563, 0.3000,
0.5992

 57.2476, 0.3147,
0.2862

 35.5406, 0.3000,
0.6000

 61.5259, 0.3155,
0.2701

 64.0205, 0.3158,
0.2624

Harmonies

Analogous

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



40.3330, 0.3748, 0.4569



40.3330, 0.3072, 0.4465



40.3330, 0.2446, 0.3895

Triad

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



40.3330, 0.3072, 0.4465



40.3330, 0.2031, 0.2265



40.3330, 0.4347, 0.3244

Complementary

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



40.3330, 0.3072, 0.4465



26.1914, 0.3172, 0.2341

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.



40.3330, 0.3777, 0.2762



40.3330, 0.3072, 0.4465



40.3330, 0.2428, 0.2220

Square

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



40.3330, 0.3072, 0.4465



40.3330, 0.1895, 0.2570



40.3330, 0.3053, 0.2400



40.3330, 0.4531, 0.3772

Rectangle

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



40.3330, 0.3072, 0.4465



40.3330, 0.2140, 0.3394



40.3330, 0.3053, 0.2400



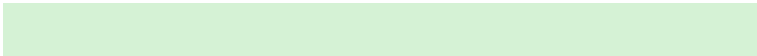
40.3330, 0.4191, 0.3074

Sweetspot

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



40.3347, 0.3072, 0.4465



82.6396, 0.3112, 0.3605



47.3207, 0.3704, 0.4244



18.0622, 0.3111, 0.3642



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.3347, 0.3072, 0.4465



69.8419, 0.3057, 0.4776



41.3377, 0.2827, 0.3862



10.6497, 0.3116, 0.3527



24.4879, 0.3000, 0.6000



0.9592, 0.3000, 0.6000

Inverse Universe

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



26.1914, 0.3172, 0.2341



40.8878, 0.3181, 0.2148



24.8222, 0.3600, 0.2787



9.6963, 0.3138, 0.3064



9.7510, 0.3209, 0.1542



0.3820, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 40.3330, 0.3072, 0.4465 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 40.3330, 0.3072, 0.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

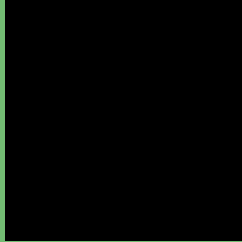
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3330, 0.3072, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 40.3330, 0.3072, 0.4465.



This preview shows how white text looks on a background with the Yxy color 40.3330, 0.3072, 0.4465.

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

40.3330, 0.3072, 0.4465

Protanopia

39.7518, 0.3829, 0.4130

Deuteranopia

39.7533, 0.3921, 0.3833



Tritanopia

40.3137, 0.2640, 0.3086

Trichromacy



Original Color

40.3330, 0.3072, 0.4465



Protanomaly

39.5474, 0.3515, 0.4259



Deuteranomaly

38.9799, 0.3575, 0.4050



Tritanomaly

40.0132, 0.2797, 0.3549

Monochromacy



Original Color

40.3330, 0.3072, 0.4465



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.5911, 0.3107, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3330, 0.3072, 0.4465 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, 187, 114)` looks like.

```
.text, #text, p{  
    color:rgb(114, 187, 114)  
}
```

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, 187, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 187, 114) }
```

Border

The CSS property to change the border of an element to Yxy 40.3330, 0.3072, 0.4465 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, 187, 114) }
```

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

```
.border{ border-color:rgb(114, 187, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 187, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 187, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 187, 114);  
box-shadow:4px 4px 4px 4px rgb(114, 187,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3330, 0.3072, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 187, 114) }
```

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

```
.background{ background-color: rgb(114,  
187, 114) }
```

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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