

Converting Colors

$Yxy(42.1324, 0.3035, 0.4450)$

Have a look what the booklet for
Yxy(42.1324, 0.3035, 0.4450)
contains.

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Color

Yxy(42.0803, 0.3037, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	71BF76
RGB	113, 191, 118
RGB Percent	44%, 75%, 46%
CMY	0.5568, 0.2510, 0.5372
CMYK	0.41, 0.00, 0.38, 0.25
HSL	124°, 38%, 60%
HSV	124°, 41%, 75%
XYZ	28.7122, 42.0803, 23.7488
YIQ	159.3560, -23.0550, -39.2390

Conversions

Conversions Part 2

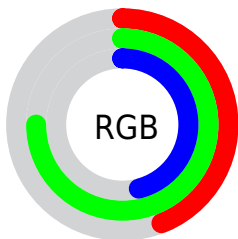
Format	Color
RYB	113, 186, 191
Decimal	7454582
CIELab	70.93, -39.19, 29.48
CIElCh	71, 49.044, 143.047
Yxy	42.0803, 0.3037, 0.4451
Android (android.graphics.Color)	4285644662 (0xFF71BF76)
YUV	159.3560, -20.3885, -40.6542
Hunter-Lab	64.8693, -34.5145, 23.7024

Details

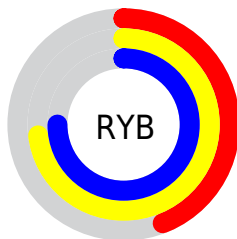
The Yxy color **42.0803, 0.3037, 0.4451** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.4358, 0.3227, 0.2353**, and the grayscale version is **34.9479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3999, 0.3066, 0.4212**, and **19.2385, 0.2979, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **40.5600, 0.3017, 0.4790**, and if you desaturate by 10%, it is **43.9513, 0.3059, 0.4124**.

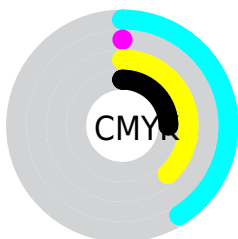
Distribution



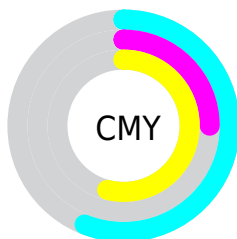
- Red (44%)
- Green (75%)
- Blue (46%)



- Red (44%)
- Yellow (73%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (38%)
- Black (25%)




- Cyan (56%)
- Magenta (25%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0803, 0.3037, 0.4451 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 42.0803, 0.3037, 0.4451 by changing the saturation by 10% instead.


 42.0803, 0.3037,
0.4451


 42.0803, 0.3037,
0.4451


354.8157, 0.3104,
0.3826

 29.1642, 0.3012,
0.4621


 78.3211, 0.3067,
0.4213

 19.2051, 0.2974,
0.4848


 102.4146, 0.3077,
0.4127

 11.8185, 0.2912,
0.5163


 131.0027, 0.3084,
0.4055

 6.6202, 0.2802,
0.5625

164.4698, 0.3090,
0.3995

 3.2258, 0.2626,
0.6452

203.2002, 0.3094,
0.3943

 1.2507, 0.1336,
0.8664

247.5784, 0.3098,

 0.1025, 0.0000,

0.3899

1.0000

297.9888, 0.3101,
0.3860

0.0000, 0.0000,
0.0000

42.0803, 0.3037,
0.4451

42.0803, 0.3037,
0.4451

40.5600, 0.3017,
0.4790

43.9513, 0.3059,
0.4124

39.3636, 0.3000,
0.5124

46.1873, 0.3082,
0.3822

38.4692, 0.2989,
0.5428


48.8082, 0.3104,
0.3549

37.8497, 0.2984,
0.5681


51.8309, 0.3125,
0.3309

37.4731, 0.2986,
0.5862

55.2714, 0.3145,
0.3099

 37.2894, 0.2989,
0.5961

 59.1446, 0.3163,
0.2917

 63.4650, 0.3180,
0.2761

 65.7423, 0.3157,
0.2663

Harmonies

Analogous

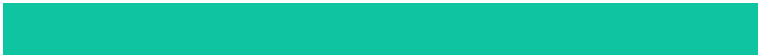
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0803, 0.3718, 0.4580



42.0803, 0.3037, 0.4451



42.0803, 0.2417, 0.3860

Triad

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



42.0803, 0.3037, 0.4451



42.0803, 0.2042, 0.2253



42.0803, 0.4371, 0.3269

Complementary

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



42.0803, 0.3037, 0.4451



26.4358, 0.3227, 0.2353

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.



42.0803, 0.3815, 0.2782



42.0803, 0.3037, 0.4451



42.0803, 0.2452, 0.2221

Square

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



42.0803, 0.3037, 0.4451



42.0803, 0.1892, 0.2545



42.0803, 0.3089, 0.2411



42.0803, 0.4533, 0.3800

Rectangle

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



42.0803, 0.3037, 0.4451



42.0803, 0.2119, 0.3356



42.0803, 0.3089, 0.2411



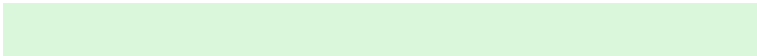
42.0803, 0.4221, 0.3099

Sweetspot

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



42.0821, 0.3037, 0.4451



86.7345, 0.3101, 0.3584



49.0326, 0.3695, 0.4300



18.9038, 0.3098, 0.3619



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.0821, 0.3037, 0.4451



72.9012, 0.3019, 0.4754



43.1712, 0.2789, 0.3831



10.6593, 0.3108, 0.3512



24.5100, 0.2987, 0.5952



0.9635, 0.2936, 0.5769

Inverse Universe

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



26.4358, 0.3227, 0.2353



41.0649, 0.3252, 0.2167



25.0316, 0.3682, 0.2814



9.6855, 0.3147, 0.3078



9.4170, 0.3374, 0.1632



0.3721, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 42.0803, 0.3037, 0.4451 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 42.0803, 0.3037, 0.4451 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 42.0803, 0.3037, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 42.0803, 0.3037, 0.4451.

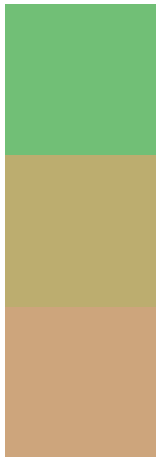


This preview shows how white text looks on a background with the Yxy color 42.0803, 0.3037, 0.4451.

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

42.0803, 0.3037, 0.4451

Protanopia

41.7262, 0.3804, 0.4117

Deuteranopia

41.3446, 0.3898, 0.3813



Tritanopia

42.1085, 0.2622, 0.3089

Trichromacy



Original Color

42.0803, 0.3037, 0.4451



Protanomaly

41.4345, 0.3489, 0.4245



Deuteranomaly

40.4479, 0.3550, 0.4027



Tritanomaly

41.7360, 0.2768, 0.3546

Monochromacy



Original Color

42.0803, 0.3037, 0.4451



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.8902, 0.3090, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0803, 0.3037, 0.4451 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(113, 191, 118)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 118)  
}
```

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(113, 191, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 118) }
```

Border

The CSS property to change the border of an element to Yxy 42.0803, 0.3037, 0.4451 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(113, 191, 118) }
```

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

```
.border{ border-color:rgb(113, 191, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 191, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 191, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 191, 118);  
box-shadow:4px 4px 4px 4px rgb(113, 191,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0803, 0.3037, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 118) }
```

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

```
.background{ background-color: rgb(113,  
191, 118) }
```

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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