

Converting Colors

$Yxy(41.2428, 0.2923, 0.4491)$

Have a look what the booklet for
Yxy(41.2428, 0.2923, 0.4491)
contains.

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Color

Yxy(41.0564, 0.2923, 0.4490)

Conversions

Conversions Part 1

Format	Color
Hex	60BF76
RGB	96, 191, 118
RGB Percent	38%, 75%, 46%
CMY	0.6234, 0.2510, 0.5372
CMYK	0.50, 0.00, 0.38, 0.25
HSL	134°, 43%, 56%
HSV	134°, 50%, 75%
XYZ	26.7278, 41.0564, 23.6554
YIQ	154.2730, -33.1870, -42.8430

Conversions

Conversions Part 2

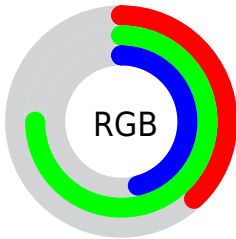
Format	Color
RYB	96, 173, 191
Decimal	6340470
CIELab	70.22, -44.04, 28.42
CIELCh	70, 52.413, 147.171
Yxy	41.0564, 0.2923, 0.4490
Android (android.graphics.Color)	4284530550 (0xFF60BF76)
YUV	154.2730, -17.8826, -51.1054
Hunter-Lab	64.0753, -37.6738, 22.9639

Details

The Yxy color **41.0564, 0.2923, 0.4490** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.3155, 0.3446, 0.2342**, and the grayscale version is **32.5372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7505, 0.2974, 0.4238**, and **18.6961, 0.2820, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **39.8221, 0.2899, 0.4780**, and if you desaturate by 10%, it is **42.6002, 0.2956, 0.4207**.

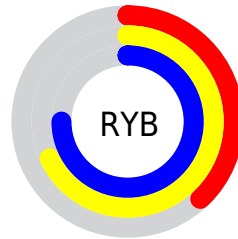
Distribution



Red (38%)

Green (75%)

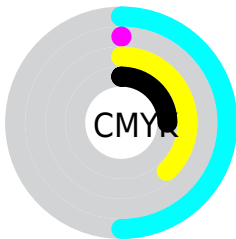
Blue (46%)



Red (38%)

Yellow (68%)

Blue (75%)

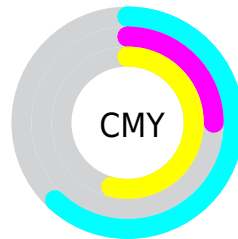


Cyan (50%)

Magenta (0%)

Yellow (38%)

Black (25%)



Cyan (62%)

Magenta (25%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0564, 0.2923, 0.4490 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 41.0564, 0.2923, 0.4490 by changing the saturation by 10% instead.

 41.0564, 0.2923,
0.4490

 41.0564, 0.2923,
0.4490


350.5563, 0.3049,
0.3838

 28.3632, 0.2882,
0.4670


 76.7695, 0.2976,
0.4240


 18.5996, 0.2823,
0.4911


 100.5582, 0.2993,
0.4150

 11.3813, 0.2733,
0.5249


 128.8141, 0.3007,
0.4076

 6.3239, 0.2583,
0.5750

 161.9216, 0.3019,
0.4013

 3.0430, 0.2345,
0.6669

200.2652, 0.3028,
0.3960

 1.1542, 0.0000,
1.0000

244.2293, 0.3037,

 0.0238, 0.0000,

0.3914

1.0000

294.1982, 0.3043,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 41.0564, 0.2923,
0.4490

■ 41.0564, 0.2923,
0.4490

■ 39.8221, 0.2899,
0.4780

■ 42.6002, 0.2956,
0.4207

■ 38.8710, 0.2887,
0.5066

■ 44.4673, 0.2996,
0.3941

■ 38.1811, 0.2889,
0.5331

■ 46.6770, 0.3039,
0.3698


■ 37.7246, 0.2905,
0.5560


■ 49.2453, 0.3084,
0.3479

■ 37.4508, 0.2929,
0.5742

■ 52.1875, 0.3128,
0.3285

 37.4441, 0.2930,
0.5747

 55.5179, 0.3172,
0.3115

 59.2499, 0.3214,
0.2966

 63.3964, 0.3254,
0.2837

 65.4323, 0.3192,
0.2707

Harmonies

Analogous

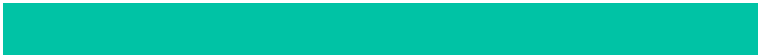
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0564, 0.3654, 0.4694



41.0564, 0.2923, 0.4490



41.0564, 0.2287, 0.3794

Triad

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



41.0564, 0.2923, 0.4490



41.0564, 0.2013, 0.2163



41.0564, 0.4520, 0.3336

Complementary

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



41.0564, 0.2923, 0.4490



22.3155, 0.3446, 0.2342

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.



41.0564, 0.3967, 0.2811



41.0564, 0.2923, 0.4490



41.0564, 0.2484, 0.2167

Square

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



41.0564, 0.2923, 0.4490



41.0564, 0.1817, 0.2427



41.0564, 0.3189, 0.2398



41.0564, 0.4622, 0.3899

Rectangle

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



41.0564, 0.2923, 0.4490



41.0564, 0.1998, 0.3246



41.0564, 0.3189, 0.2398



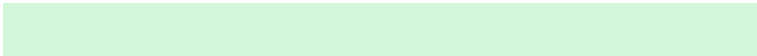
41.0564, 0.4379, 0.3153

Sweetspot

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



41.0581, 0.2923, 0.4490



85.5792, 0.3059, 0.3597



46.6997, 0.3660, 0.4568



18.5817, 0.3049, 0.3644



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.



41.0581, 0.2923, 0.4490



71.0858, 0.2897, 0.4816



42.4338, 0.2638, 0.3710



10.6848, 0.3085, 0.3471



24.6187, 0.2924, 0.5726



0.9747, 0.2791, 0.5249

Inverse Universe

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



22.3155, 0.3446, 0.2342



33.5557, 0.3544, 0.2164



20.8782, 0.4100, 0.2927



9.6575, 0.3172, 0.3115



8.6729, 0.3887, 0.1915



0.3491, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 41.0564, 0.2923, 0.4490 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 41.0564, 0.2923, 0.4490 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 41.0564, 0.2923, 0.4490

Background



This preview shows how black text looks on a background with the Yxy color 41.0564, 0.2923, 0.4490.



This preview shows how white text looks on a background with the Yxy color 41.0564, 0.2923, 0.4490.

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

41.0564, 0.2923, 0.4490

Protanopia

40.6907, 0.3803, 0.4113

Deuteranopia

40.2062, 0.3878, 0.3794



Tritanopia

41.0863, 0.2534, 0.3084

Trichromacy



Original Color

41.0564, 0.2923, 0.4490



Protanomaly

39.8053, 0.3428, 0.4259



Deuteranomaly

39.0788, 0.3466, 0.4036



Tritanomaly

40.7132, 0.2670, 0.3552

Monochromacy



Original Color

41.0564, 0.2923, 0.4490



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.5471, 0.3036, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0564, 0.2923, 0.4490 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(96, 191, 118)` looks like.

```
.text, #text, p{  
  color:rgb(96, 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(96, 191, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 118) }
```

Border

The CSS property to change the border of an element to Yxy 41.0564, 0.2923, 0.4490 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(96, 191, 118) }
```

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

```
.border{ border-color:rgb(96, 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(96, 191, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 118);  
box-shadow:4px 4px 4px 4px rgb(96, 191,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0564, 0.2923, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 118) }
```

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

```
.background{ background-color: rgb(96, 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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