

Converting Colors

$Y_{xy}(10.9413, 0.2919, 0.4252)$

Have a look what the booklet for
Yxy(10.9413, 0.2919, 0.4252)
contains.

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Color

Yxy(10.9709, 0.2920, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	386745
RGB	56, 103, 69
RGB Percent	22%, 40%, 27%
CMY	0.7804, 0.5961, 0.7294
CMYK	0.46, 0.00, 0.33, 0.60
HSL	137°, 30%, 31%
HSV	137°, 46%, 40%
XYZ	7.5554, 10.9709, 7.3484
YIQ	85.0710, -17.0980, -20.5380

Conversions

Conversions Part 2

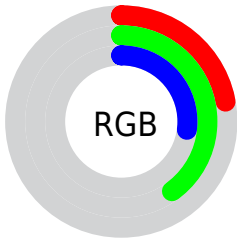
Format	Color
RYB	56, 93, 103
Decimal	3696453
CIELab	39.53, -24.37, 14.32
CIELCh	40, 28.267, 149.572
Yxy	10.9709, 0.2920, 0.4240
Android (android.graphics.Color)	4281886533 (0xFF386745)
YUV	85.0710, -7.9230, -25.4953
Hunter-Lab	33.1223, -17.2471, 10.0317

Details

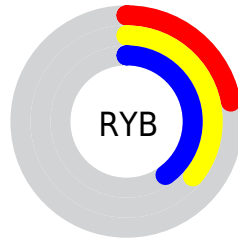
The Yxy color **10.9709, 0.2920, 0.4240** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.4512, 0.3437, 0.2504**, and the grayscale version is **9.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4597, 0.2992, 0.3968**, and **2.8348, 0.2756, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **10.6176, 0.2888, 0.4495**, and if you desaturate by 10%, it is **11.3978, 0.2960, 0.3998**.

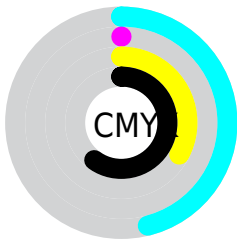
Distribution



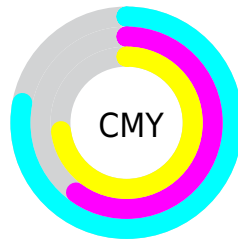
- Red (22%)
- Green (40%)
- Blue (27%)



- Red (22%)
- Yellow (36%)
- Blue (40%)



- Cyan (46%)
- Magenta (0%)
- Yellow (33%)
- Black (60%)





- Cyan (78%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9709, 0.2920, 0.4240 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 10.9709, 0.2920, 0.4240 by changing the saturation by 10% instead.


 10.9709, 0.2920,
0.4240


 10.9709, 0.2920,
0.4240


197.4678, 0.3061,
0.3627


 6.0473, 0.2859,
0.4477

 27.6063, 0.2986,
0.3968


 2.8738, 0.2750,
0.4866


 40.0869, 0.3006,
0.3882


 1.0662, 0.2515,
0.6573

 55.8553, 0.3021,
0.3816

 0.0000, 0.0000,
0.0000

 75.2959, 0.3032,
0.3763

 98.7930, 0.3042,
0.3720

 126.7311, 0.3049,

0.3684

159.4946, 0.3056,
0.3653

■ 10.9709, 0.2920,
0.4240

■ 10.9709, 0.2920,
0.4240

■ 10.6176, 0.2888,
0.4495

■ 11.3978, 0.2960,
0.3998

■ 10.3324, 0.2866,
0.4756

■ 11.9009, 0.3004,
0.3773

■ 10.1111, 0.2856,
0.5013


■ 12.4841, 0.3052,
0.3568

■ 9.9484, 0.2859,
0.5255

■ 13.1509, 0.3100,
0.3384


■ 9.8326, 0.2874,
0.5472


■ 13.9043, 0.3148,
0.3221

 9.7868, 0.2878,
0.5560

 14.7474, 0.3195,
0.3076

 15.6831, 0.3240,
0.2949

 16.7140, 0.3283,
0.2838

 17.8429, 0.3324,
0.2740

Harmonies

Analogous

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



10.9709, 0.3542, 0.4463



10.9709, 0.2920, 0.4240



10.9709, 0.2385, 0.3658

Triad

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



10.9709, 0.2920, 0.4240



10.9709, 0.2197, 0.2318



10.9709, 0.4315, 0.3386

Complementary

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



10.9709, 0.2920, 0.4240



6.4512, 0.3437, 0.2504

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.



10.9709, 0.3879, 0.2920



10.9709, 0.2920, 0.4240



10.9709, 0.2627, 0.2332

Square

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



10.9709, 0.2920, 0.4240



10.9709, 0.2005, 0.2538



10.9709, 0.3239, 0.2548



10.9709, 0.4381, 0.3872

Rectangle

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



10.9709, 0.2920, 0.4240



10.9709, 0.2144, 0.3213



10.9709, 0.3239, 0.2548



10.9709, 0.4206, 0.3225

Sweetspot

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



10.9714, 0.2920, 0.4240



22.4903, 0.3057, 0.3545



12.1837, 0.3562, 0.4417



5.4422, 0.3050, 0.3577



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.9714, 0.2920, 0.4240



18.9556, 0.2885, 0.4521



11.3151, 0.2663, 0.3580



3.1539, 0.3084, 0.3443



12.3072, 0.2884, 0.5581



64.0577, 0.2910, 0.5677

Inverse Universe

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



6.4512, 0.3437, 0.2504



9.7102, 0.3540, 0.2331



6.1177, 0.3970, 0.3028



2.8768, 0.3173, 0.3142



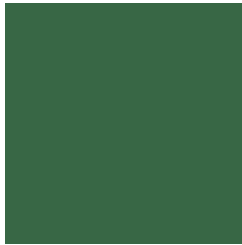
4.2531, 0.4016, 0.1986



22.0288, 0.4075, 0.2019

Previews

White Background



This preview shows how the Yxy color 10.9709, 0.2920, 0.4240 looks on a white background.

Color Contrast Check

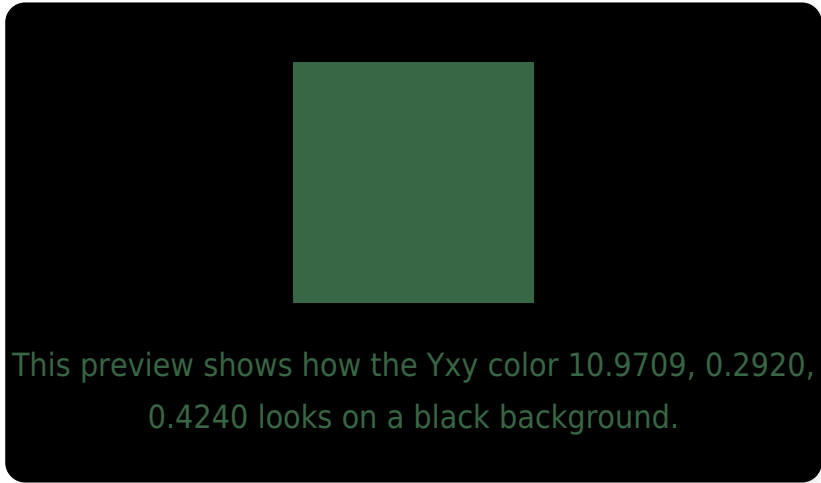
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9709, 0.2920, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 10.9709, 0.2920, 0.4240.



This preview shows how white text looks on a background with the Yxy color 10.9709, 0.2920, 0.4240.

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

10.9709, 0.2920, 0.4240

Protanopia

10.9197, 0.3666, 0.3954

Deuteranopia

10.8638, 0.3738, 0.3675



Tritanopia

10.8998, 0.2591, 0.3087

Trichromacy



Original Color

10.9709, 0.2920, 0.4240

Protanomaly

10.8276, 0.3362, 0.4083

Deuteranomaly

10.6340, 0.3401, 0.3865

Tritanomaly

10.9288, 0.2708, 0.3473

Monochromacy



Original Color

10.9709, 0.2920, 0.4240

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.6747, 0.3034, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9709, 0.2920, 0.4240 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(56, 103, 69)` looks like.

```
.text, #text, p{  
    color:rgb(56, 103, 69)  
}
```

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(56, 103, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 103, 69) }
```

Border

The CSS property to change the border of an element to Yxy 10.9709, 0.2920, 0.4240 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(56, 103, 69) }
```

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

```
.border{ border-color:rgb(56, 103, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 103, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 103, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 103, 69);  
box-shadow:4px 4px 4px 4px rgb(56, 103,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9709, 0.2920, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 103, 69) }
```

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

```
.background{ background-color: rgb(56, 103,  
69) }
```

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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