

Converting Colors

$Y_{xy}(10.7081, 0.2972, 0.4591)$

Have a look what the booklet for
Yxy(10.7081, 0.2972, 0.4591)
contains.

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Color

Yxy(10.6841, 0.2972, 0.4583)

Conversions

Conversions Part 1

Format	Color
Hex	32673A
RGB	50, 103, 58
RGB Percent	20%, 40%, 23%
CMY	0.8040, 0.5961, 0.7725
CMYK	0.51, 0.00, 0.44, 0.60
HSL	129°, 35%, 30%
HSV	129°, 51%, 40%
XYZ	6.9285, 10.6841, 5.6999
YIQ	82.0230, -17.1430, -25.2310

Conversions

Conversions Part 2

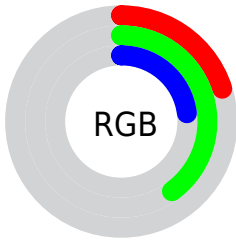
Format	Color
RYB	50, 96, 103
Decimal	3303226
CIELab	39.04, -28.39, 20.09
CIElCh	39, 34.775, 144.720
Yxy	10.6841, 0.2972, 0.4583
Android (android.graphics.Color)	4281493306 (0xFF32673A)
YUV	82.0230, -11.8433, -28.0842
Hunter-Lab	32.6865, -19.3654, 12.5416

Details

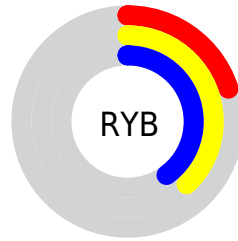
The Yxy color **10.6841, 0.2972, 0.4583** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9890, 0.3345, 0.2277**, and the grayscale version is **8.4685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1926, 0.3030, 0.4208**, and **2.7641, 0.2844, 0.5439** is the 20% darker color. If you saturate the color by 10%, you get **10.3701, 0.2952, 0.4880**, and if you desaturate by 10%, it is **11.0730, 0.2998, 0.4290**.

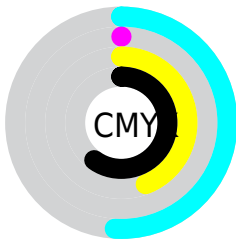
Distribution



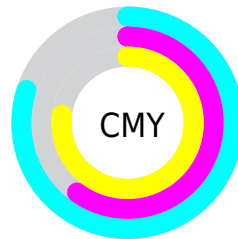
- Red (20%)
- Green (40%)
- Blue (23%)



- Red (20%)
- Yellow (38%)
- Blue (40%)



- Cyan (51%)
- Magenta (0%)
- Yellow (44%)
- Black (60%)




- Cyan (80%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.6841, 0.2972, 0.4583 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 10.6841, 0.2972, 0.4583 by changing the saturation by 10% instead.


 10.6841, 0.2972,
0.4583


 10.6841, 0.2972,
0.4583


195.4873, 0.3092,
0.3740

 5.8548, 0.2906,
0.4913

 27.0745, 0.3034,
0.4205


 2.7570, 0.2778,
0.5458


 39.4045, 0.3051,
0.4088

 1.0062, 0.2044,
0.7956

 55.0034, 0.3063,
0.3997

 0.0000, 0.0000,
0.0000

 74.2558, 0.3072,
0.3925

 97.5460, 0.3079,
0.3866

 125.2583, 0.3084,

0.3817

157.7773, 0.3089,
0.3775

■ 10.6841, 0.2972,
0.4583

■ 10.6841, 0.2972,
0.4583

■ 10.3701, 0.2952,
0.4880

■ 11.0730, 0.2998,
0.4290

■ 10.1250, 0.2940,
0.5169

■ 11.5399, 0.3027,
0.4013

■ 9.9438, 0.2938,
0.5431

■ 12.0891, 0.3059,
0.3757

■ 9.8202, 0.2944,
0.5652

■ 12.7245, 0.3091,
0.3525

■ 9.7377, 0.2946,
0.5806

■ 13.4496, 0.3123,
0.3318

■ 14.2675, 0.3153,
0.3136

■ 15.1816, 0.3182,
0.2977

■ 16.1947, 0.3210,
0.2838

■ 17.3097, 0.3235,
0.2716

Harmonies

Analogous

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



10.6841, 0.3727, 0.4740



10.6841, 0.2972, 0.4583



10.6841, 0.2300, 0.3884

Triad

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



10.6841, 0.2972, 0.4583



10.6841, 0.1949, 0.2136



10.6841, 0.4543, 0.3285

Complementary

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



10.6841, 0.2972, 0.4583



5.9890, 0.3345, 0.2277

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.



10.6841, 0.3937, 0.2752



10.6841, 0.2972, 0.4583



10.6841, 0.2410, 0.2121

Square

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



10.6841, 0.2972, 0.4583



10.6841, 0.1771, 0.2429



10.6841, 0.3124, 0.2341



10.6841, 0.4687, 0.3864

Rectangle

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



10.6841, 0.2972, 0.4583



10.6841, 0.1988, 0.3308



10.6841, 0.3124, 0.2341



10.6841, 0.4384, 0.3099

Sweetspot

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



10.6845, 0.2972, 0.4583



22.3131, 0.3078, 0.3614



12.3673, 0.3707, 0.4516



5.4007, 0.3073, 0.3649



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.



10.6845, 0.2972, 0.4583



18.4535, 0.2949, 0.4949



11.0261, 0.2683, 0.3801



3.1488, 0.3099, 0.3470



12.2461, 0.2951, 0.5822



63.7846, 0.2970, 0.5891

Inverse Universe

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



5.9890, 0.3345, 0.2277



8.9792, 0.3412, 0.2076



5.5870, 0.3976, 0.2850



2.8823, 0.3157, 0.3117



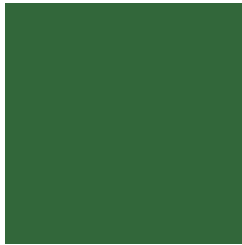
4.4982, 0.3613, 0.1764



23.3582, 0.3641, 0.1779

Previews

White Background



This preview shows how the Yxy color 10.6841, 0.2972, 0.4583 looks on a white background.

Color Contrast Check

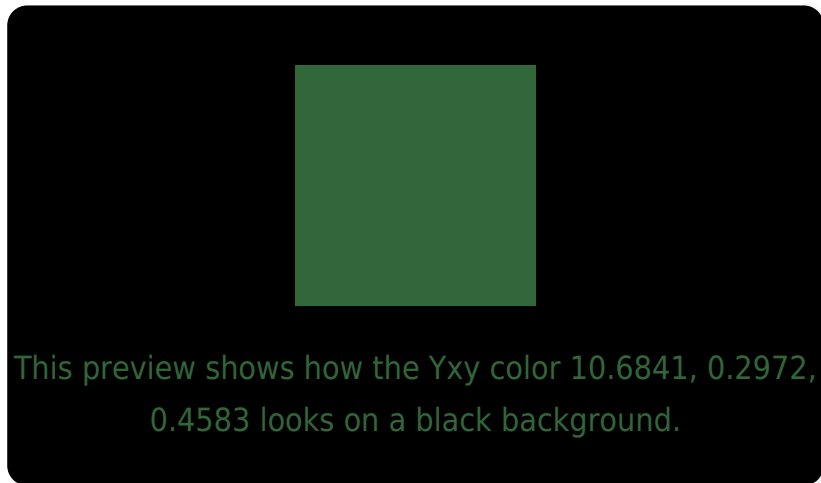
Large Text (above 18pt) WCAG AA ✓ Pass

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

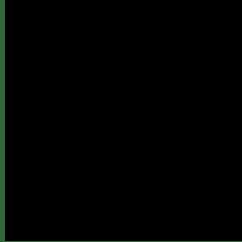
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6841, 0.2972, 0.4583

Background



This preview shows how black text looks on a background with the Yxy color 10.6841, 0.2972, 0.4583.



This preview shows how white text looks on a background with the Yxy color 10.6841, 0.2972, 0.4583.

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

10.6841, 0.2972, 0.4583

Protanopia

10.6300, 0.3837, 0.4184

Deuteranopia

10.6422, 0.3927, 0.3873



Tritanopia

10.7474, 0.2558, 0.3110

Trichromacy



Original Color

10.6841, 0.2972, 0.4583

Protanomaly

10.4354, 0.3484, 0.4352

Deuteranomaly

10.2403, 0.3519, 0.4104

Tritanomaly

10.6888, 0.2708, 0.3615

Monochromacy



Original Color

10.6841, 0.2972, 0.4583

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.0955, 0.3058, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6841, 0.2972, 0.4583 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(50, 103, 58)` looks like.

```
.text, #text, p{  
    color:rgb(50, 103, 58)  
}
```

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(50, 103, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 103, 58) }
```

Border

The CSS property to change the border of an element to Yxy 10.6841, 0.2972, 0.4583 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(50, 103, 58) }
```

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

```
.border{ border-color:rgb(50, 103, 58) }
```

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

Here you see how a box with a 4 pixel rgb(50, 103, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 103, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 103, 58);  
box-shadow:4px 4px 4px 4px rgb(50, 103,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6841, 0.2972, 0.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 103, 58) }
```

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

```
.background{ background-color: rgb(50, 103,  
58) }
```

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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