

Converting Colors

$Y_{xy}(10.7893, 0.3037, 0.4988)$

Have a look what the booklet for
Yxy(10.7893, 0.3037, 0.4988)
contains.

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Color

Yxy(10.8583, 0.3038, 0.4977)

Conversions

Conversions Part 1

Format	Color
Hex	2D692E
RGB	45, 105, 46
RGB Percent	18%, 41%, 18%
CMY	0.8234, 0.5882, 0.8196
CMYK	0.57, 0.00, 0.56, 0.59
HSL	121°, 40%, 29%
HSV	121°, 57%, 41%
XYZ	6.6280, 10.8583, 4.3307
YIQ	80.3340, -16.8210, -31.0690

Conversions

Conversions Part 2

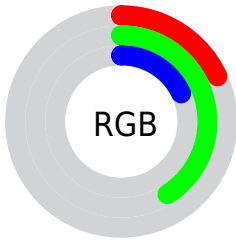
Format	Color
RYP	45, 104, 105
Decimal	2976046
CIELab	39.34, -32.74, 27.15
CIElCh	39, 42.526, 140.333
Yxy	10.8583, 0.3038, 0.4977
Android (android.graphics.Color)	4281166126 (0xFF2D692E)
YUV	80.3340, -16.9267, -30.9879
Hunter-Lab	32.9519, -21.7622, 15.2742

Details

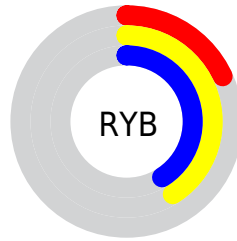
The Yxy color **10.8583, 0.3038, 0.4977** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.8830, 0.3206, 0.2035**, and the grayscale version is **8.1288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4635, 0.3098, 0.4476**, and **2.9263, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.5774, 0.3023, 0.5293**, and if you desaturate by 10%, it is **11.2190, 0.3054, 0.4644**.

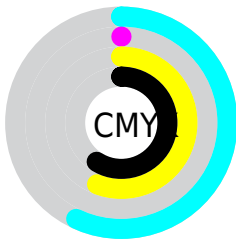
Distribution



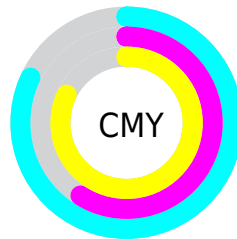
- Red (18%)
- Green (41%)
- Blue (18%)



- Red (18%)
- Yellow (41%)
- Blue (41%)



- Cyan (57%)
- Magenta (0%)
- Yellow (56%)
- Black (59%)




- Cyan (82%)
- Magenta (59%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8583, 0.3038, 0.4977 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 10.8583, 0.3038, 0.4977 by changing the saturation by 10% instead.


 10.8583, 0.3038,
0.4977


 10.8583, 0.3038,
0.4977


196.6928, 0.3135,
0.3874


 5.9716, 0.2962,
0.5402

 27.3978, 0.3099,
0.4484


 2.8278, 0.2851,
0.6199


 39.8195, 0.3112,
0.4331

 1.0425, 0.1498,
0.8502

 55.5216, 0.3120,
0.4211

 0.0000, 0.0000,
0.0000

 74.8886, 0.3126,
0.4116

 98.3048, 0.3129,
0.4039

 126.1546, 0.3132,

0.3975

158.8225, 0.3134,
0.3921

■ 10.8583, 0.3038,
0.4977

■ 10.8583, 0.3038,
0.4977

■ 10.5774, 0.3023,
0.5293

■ 11.2190, 0.3054,
0.4644

■ 10.3691, 0.3012,
0.5568

■ 11.6635, 0.3071,
0.4314

■ 10.2270, 0.3004,
0.5783

■ 12.1971, 0.3088,
0.4001

■ 10.1326, 0.2997,
0.5937

■ 12.8242, 0.3103,
0.3713

■ 10.1065, 0.2995,
0.5980

■ 13.5491, 0.3118,
0.3455

■ 14.3756, 0.3131,
0.3227

■ 15.3076, 0.3142,
0.3028

■ 16.3484, 0.3153,
0.2856

■ 17.5015, 0.3162,
0.2706

Harmonies

Analogous

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



10.8583, 0.3924, 0.5002



10.8583, 0.3038, 0.4977



10.8583, 0.2223, 0.4176

Triad

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



10.8583, 0.3038, 0.4977



10.8583, 0.1696, 0.1955



10.8583, 0.4770, 0.3156

Complementary

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



10.8583, 0.3038, 0.4977



5.8830, 0.3206, 0.2035

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.



10.8583, 0.3964, 0.2566



10.8583, 0.3038, 0.4977



10.8583, 0.2171, 0.1908

Square

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



10.8583, 0.3038, 0.4977



10.8583, 0.1539, 0.2326



10.8583, 0.2971, 0.2125



10.8583, 0.5009, 0.3814

Rectangle

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



10.8583, 0.3038, 0.4977



10.8583, 0.1835, 0.3443



10.8583, 0.2971, 0.2125



10.8583, 0.4551, 0.2949

Sweetspot

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



10.8588, 0.3038, 0.4977



22.9181, 0.3103, 0.3723



13.2957, 0.3901, 0.4569



5.3310, 0.3101, 0.3761



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.



10.8588, 0.3038, 0.4977



18.7812, 0.3018, 0.5406



11.1698, 0.2743, 0.4137



3.4455, 0.3115, 0.3501



12.7967, 0.2995, 0.5983



65.1924, 0.2998, 0.5993

Inverse Universe

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



5.8830, 0.3206, 0.2035



8.8655, 0.3222, 0.1815



5.3910, 0.3881, 0.2604



3.1631, 0.3139, 0.3088



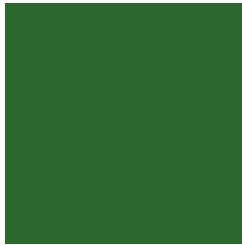
5.0503, 0.3248, 0.1563



25.7205, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 10.8583, 0.3038, 0.4977 looks on a white background.

Color Contrast Check

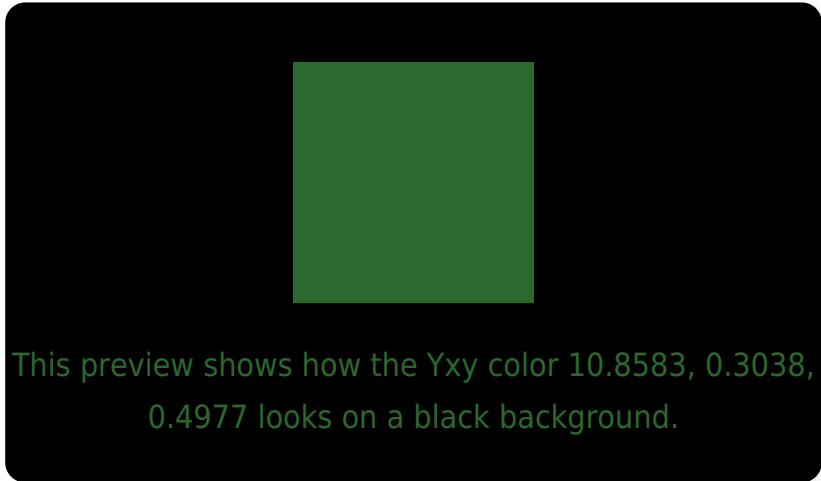
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8583, 0.3038, 0.4977

Background



This preview shows how black text looks on a background with the Yxy color 10.8583, 0.3038, 0.4977.



This preview shows how white text looks on a background with the Yxy color 10.8583, 0.3038, 0.4977.

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

10.8583, 0.3038, 0.4977

Protanopia

10.6462, 0.4034, 0.4417

Deuteranopia

10.7292, 0.4151, 0.4087



Tritanopia

10.9150, 0.2521, 0.3085

Trichromacy



Original Color

10.8583, 0.3038, 0.4977

Protanomaly

10.4731, 0.3609, 0.4664

Deuteranomaly

10.3019, 0.3679, 0.4417

Tritanomaly

10.7475, 0.2712, 0.3729

Monochromacy



Original Color

10.8583, 0.3038, 0.4977

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.7554, 0.3083, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8583, 0.3038, 0.4977 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(45, 105, 46)` looks like.

```
.text, #text, p{  
    color:rgb(45, 105, 46)  
}
```

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(45, 105, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 105, 46) }
```

Border

The CSS property to change the border of an element to Yxy 10.8583, 0.3038, 0.4977 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(45, 105, 46) }
```

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

```
.border{ border-color:rgb(45, 105, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 105, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 105, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 105, 46);  
box-shadow:4px 4px 4px 4px rgb(45, 105,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8583, 0.3038, 0.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 105, 46) }
```

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

```
.background{ background-color: rgb(45, 105,  
46) }
```

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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