

Converting Colors

$Y_{xy}(10.8935, 0.3411, 0.5384)$

Have a look what the booklet for
Yxy(10.8935, 0.3411, 0.5384)
contains.

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Color

Yxy(10.8846, 0.3407, 0.5383)

Conversions

Conversions Part 1

Format	Color
Hex	3B6815
RGB	59, 104, 21
RGB Percent	23%, 41%, 8%
CMY	0.7686, 0.5921, 0.9177
CMYK	0.43, 0.00, 0.80, 0.59
HSL	93°, 66%, 25%
HSV	93°, 80%, 41%
XYZ	6.8891, 10.8846, 2.4467
YIQ	81.0830, -0.1770, -35.3530

Conversions

Conversions Part 2

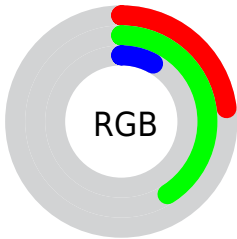
Format	Color
R_{YB}	21, 104, 66
Decimal	3893269
CIE _{Lab}	39.39, -30.26, 39.05
CIE _{LCh}	39, 49.406, 127.769
Y _{xy}	10.8846, 0.3407, 0.5383
Android (android.graphics.Color)	4282083349 (0xFF3B6815)
YUV	81.0830, -29.6209, -19.3668
Hunter-Lab	32.9918, -20.4629, 18.6974

Details

The Yxy color **10.8846, 0.3407, 0.5383** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6936, 0.2380, 0.1279**, and the grayscale version is **8.3053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6114, 0.3408, 0.4806**, and **2.8606, 0.3069, 0.5945** is the 20% darker color. If you saturate the color by 10%, you get **10.6911, 0.3381, 0.5565**, and if you desaturate by 10%, it is **11.1137, 0.3414, 0.5156**.

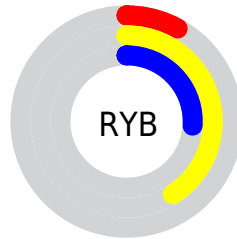
Distribution



Red (23%)

Green (41%)

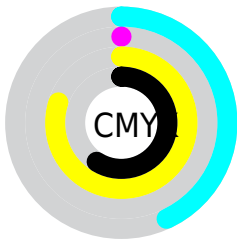
Blue (8%)



Red (8%)

Yellow (41%)

Blue (26%)

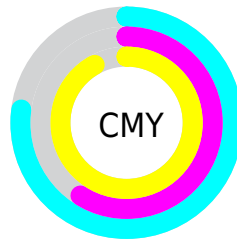


Cyan (43%)

Magenta (0%)

Yellow (80%)

Black (59%)



Cyan (77%)


Magenta (59%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8846, 0.3407, 0.5383 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 10.8846, 0.3407, 0.5383 by changing the saturation by 10% instead.


 10.8846, 0.3407,
0.5383


 10.8846, 0.3407,
0.5383


196.8741, 0.3311,
0.4041

 5.9893, 0.3358,
0.5849


 27.4466, 0.3406,
0.4804


 2.8386, 0.3287,
0.6713


 39.8820, 0.3391,
0.4616

 1.0480, 0.1919,
0.8081

 55.5997, 0.3376,
0.4467

 0.0000, 0.0000,
0.0000


 74.9838, 0.3361,
0.4348


 98.4190, 0.3347,
0.4251


 126.2895, 0.3334,


0.4169


 158.9797, 0.3322,
0.4100

 10.8846, 0.3407,
0.5383


 10.8846, 0.3407,
0.5383


 10.6911, 0.3381,
0.5565


 11.1137, 0.3414,
0.5156


 10.5233, 0.3348,
0.5721

 11.3792, 0.3404,
0.4896

 10.5204, 0.3347,
0.5724

 11.6838, 0.3378,
0.4617

 12.0294, 0.3339,
0.4330

 12.4176, 0.3292,
0.4047

■ 12.8501, 0.3239,
0.3775

■ 13.3284, 0.3183,
0.3521

■ 13.8540, 0.3126,
0.3286

■ 14.4283, 0.3070,
0.3072

Harmonies

Analogous

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



10.8846, 0.4367, 0.5003



10.8846, 0.3407, 0.5383



10.8846, 0.2428, 0.4834

Triad

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



10.8846, 0.3407, 0.5383



10.8846, 0.1413, 0.1899



10.8846, 0.4699, 0.2825

Complementary

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



10.8846, 0.3407, 0.5383



2.6936, 0.2380, 0.1279

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.



10.8846, 0.3598, 0.2237



10.8846, 0.3407, 0.5383



10.8846, 0.1780, 0.1724

Square

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



10.8846, 0.3407, 0.5383



10.8846, 0.1376, 0.2474



10.8846, 0.2515, 0.1850



10.8846, 0.5264, 0.3516

Rectangle

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



10.8846, 0.3407, 0.5383



10.8846, 0.1898, 0.4002



10.8846, 0.2515, 0.1850



10.8846, 0.4366, 0.2613

Sweetspot

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



10.8851, 0.3407, 0.5383



22.1645, 0.3265, 0.3905



6.8083, 0.4792, 0.4210



5.3589, 0.3279, 0.3978



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.



10.8851, 0.3407, 0.5383



18.4989, 0.3345, 0.5686



10.1255, 0.3001, 0.5604



3.1982, 0.3178, 0.3498



12.9489, 0.3340, 0.5730



67.0269, 0.3299, 0.5763

Inverse Universe

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



2.6936, 0.2380, 0.1279



3.3971, 0.2175, 0.0998



4.4234, 0.3264, 0.1731



2.8299, 0.3073, 0.3082



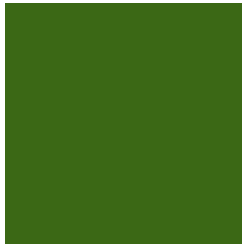
2.2631, 0.2147, 0.0957



11.2782, 0.2092, 0.0926

Previews

White Background



This preview shows how the Yxy color 10.8846, 0.3407, 0.5383 looks on a white background.

Color Contrast Check

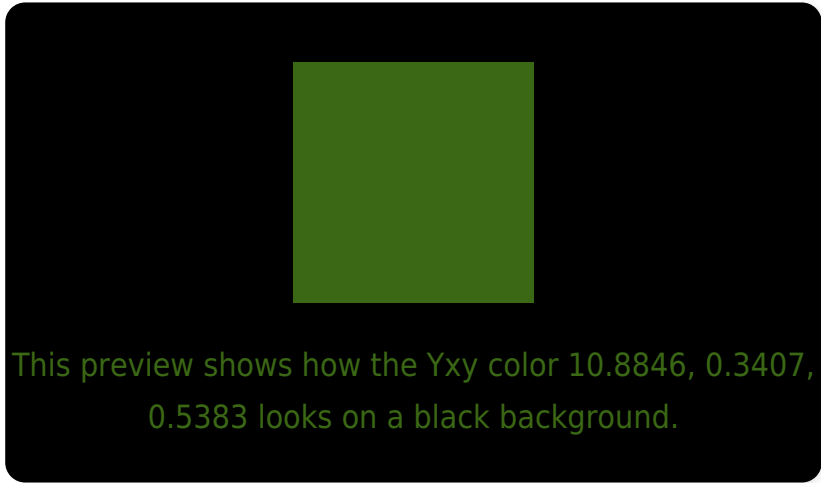
Large Text (above 18pt) WCAG AA ✓ Pass

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

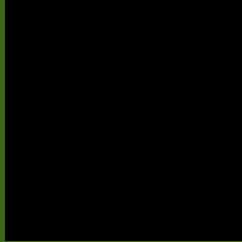
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8846, 0.3407, 0.5383

Background



This preview shows how black text looks on a background with the Yxy color 10.8846, 0.3407, 0.5383.



This preview shows how white text looks on a background with the Yxy color 10.8846, 0.3407, 0.5383.

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

10.8846, 0.3407, 0.5383

Protanopia

10.8154, 0.4288, 0.4766

Deuteranopia

10.7812, 0.4480, 0.4425



Tritanopia

10.9089, 0.2669, 0.3090

Trichromacy



Original Color

10.8846, 0.3407, 0.5383

Protanomaly

10.6711, 0.3948, 0.5005

Deuteranomaly

10.5129, 0.4057, 0.4788

Tritanomaly

10.8020, 0.2998, 0.3994

Monochromacy



Original Color

10.8846, 0.3407, 0.5383

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.8770, 0.3312, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8846, 0.3407, 0.5383 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(59, 104, 21)` looks like.

```
.text, #text, p{  
    color:rgb(59, 104, 21)  
}
```

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(59, 104, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 104, 21) }
```

Border

The CSS property to change the border of an element to Yxy 10.8846, 0.3407, 0.5383 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(59, 104, 21) }
```

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

```
.border{ border-color:rgb(59, 104, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 104, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 104, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 104, 21);  
box-shadow:4px 4px 4px 4px rgb(59, 104,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8846, 0.3407, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 104, 21) }
```

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

```
.background{ background-color: rgb(59, 104,  
21) }
```

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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