

Converting Colors

$Y_{xy}(10.2701, 0.3488, 0.5196)$

Have a look what the booklet for
Yxy(10.2701, 0.3488, 0.5196)
contains.

Yxy(10.3127, 0.3490, 0.5198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.3127, 0.3490, 0.5198)

Conversions

Conversions Part 1

Format	Color
Hex	41641A
RGB	65, 100, 26
RGB Percent	25%, 39%, 10%
CMY	0.7451, 0.6078, 0.8980
CMYK	0.35, 0.00, 0.74, 0.61
HSL	88°, 59%, 25%
HSV	88°, 74%, 39%
XYZ	6.9241, 10.3127, 2.6030
YIQ	81.0990, 2.8940, -30.4340

Conversions

Conversions Part 2

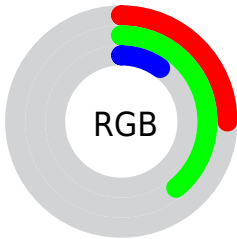
Format	Color
R_{YB}	26, 100, 61
Decimal	4285466
CIE _{Lab}	38.40, -25.65, 36.17
CIE _{LCh}	38, 44.346, 125.340
Yxy	10.3127, 0.3490, 0.5198
Android (android.graphics.Color)	4282475546 (0xFF41641A)
YUV	81.0990, -27.1638, -14.1188
Hunter-Lab	32.1134, -17.7115, 17.6736

Details

The Yxy color **10.3127, 0.3490, 0.5198** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6510, 0.2347, 0.1355**, and the grayscale version is **8.3040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3542, 0.3452, 0.4656**, and **2.6564, 0.3248, 0.5803** is the 20% darker color. If you saturate the color by 10%, you get **10.1213, 0.3483, 0.5397**, and if you desaturate by 10%, it is **10.5342, 0.3477, 0.4962**.

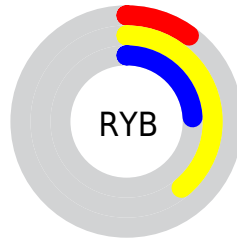
Distribution



 Red (25%)

 Green (39%)

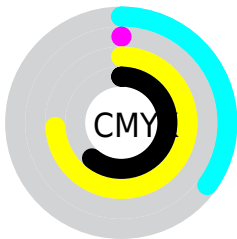
 Blue (10%)



 Red (10%)

 Yellow (39%)

 Blue (24%)

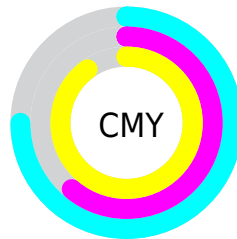


 Cyan (35%)

 Magenta (0%)

 Yellow (74%)

 Black (61%)



 Cyan (75%)


 Magenta (61%)


 Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3127, 0.3490, 0.5198 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 10.3127, 0.3490, 0.5198 by changing the saturation by 10% instead.


 10.3127, 0.3490,
0.5198


 10.3127, 0.3490,
0.5198


192.8895, 0.3328,
0.3972

 5.6068, 0.3474,
0.5629

 26.3820, 0.3454,
0.4666


 2.6075, 0.3496,
0.6504


 38.5142, 0.3430,
0.4494

 0.9304, 0.2167,
0.7833

 53.8906, 0.3408,
0.4359

 0.0000, 0.0000,
0.0000


 72.8956, 0.3388,
0.4251


 95.9136, 0.3370,
0.4162


 123.3290, 0.3354,


0.4088


 155.5262, 0.3340,
0.4026


 10.3127, 0.3490,
0.5198


 10.3127, 0.3490,
0.5198


 10.1213, 0.3483,
0.5397


 10.5342, 0.3477,
0.4962


 9.9555, 0.3458,
0.5556

 10.7861, 0.3447,
0.4700

 9.8635, 0.3442,
0.5649

 11.0706, 0.3403,
0.4426

 11.3891, 0.3348,
0.4149

 11.7430, 0.3286,
0.3879

■ 12.1335, 0.3221,
0.3622

■ 12.5618, 0.3154,
0.3381

■ 13.0292, 0.3088,
0.3159

■ 13.5366, 0.3023,
0.2956

Harmonies

Analogous

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



10.3127, 0.4369, 0.4848



10.3127, 0.3490, 0.5198



10.3127, 0.2567, 0.4755

Triad

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



10.3127, 0.3490, 0.5198



10.3127, 0.1508, 0.2031



10.3127, 0.4497, 0.2820

Complementary

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



10.3127, 0.3490, 0.5198



2.6510, 0.2347, 0.1355

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.



10.3127, 0.3478, 0.2274



10.3127, 0.3490, 0.5198



10.3127, 0.1832, 0.1830

Square

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



10.3127, 0.3490, 0.5198



10.3127, 0.1504, 0.2615



10.3127, 0.2498, 0.1925



10.3127, 0.5077, 0.3473

Rectangle

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



10.3127, 0.3490, 0.5198



10.3127, 0.2051, 0.4039



10.3127, 0.2498, 0.1925



10.3127, 0.4183, 0.2621

Sweetspot

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



10.3132, 0.3490, 0.5198



20.6756, 0.3278, 0.3843



6.0721, 0.4745, 0.4066



5.0579, 0.3289, 0.3892



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.3132, 0.3490, 0.5198



17.5198, 0.3464, 0.5519



9.4426, 0.3044, 0.5489



3.2069, 0.3187, 0.3498



13.1805, 0.3432, 0.5657



68.2190, 0.3392, 0.5688

Inverse Universe

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



2.6510, 0.2347, 0.1355



3.2020, 0.2128, 0.1024



4.2299, 0.3144, 0.1737



2.8212, 0.3063, 0.3082



2.0236, 0.2013, 0.0882



10.0404, 0.1955, 0.0851

Previews

White Background



This preview shows how the Yxy color 10.3127, 0.3490, 0.5198 looks on a white background.

Color Contrast Check

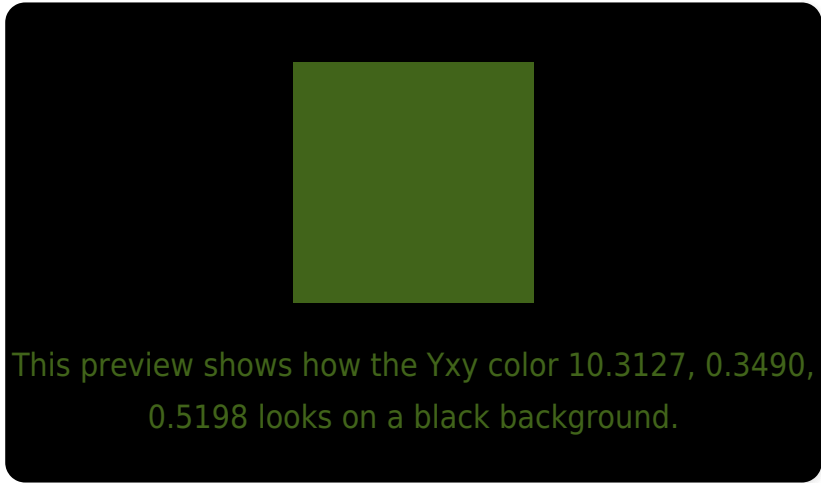
Large Text (above 18pt) WCAG AA ✓ Pass

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

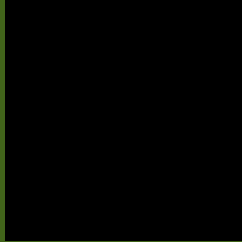
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3127, 0.3490, 0.5198

Background



This preview shows how black text looks on a background with the Yxy color 10.3127, 0.3490, 0.5198.



This preview shows how white text looks on a background with the Yxy color 10.3127, 0.3490, 0.5198.

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

10.3127, 0.3490, 0.5198

Protanopia

10.1450, 0.4240, 0.4681

Deuteranopia

10.2706, 0.4431, 0.4376



Tritanopia

10.2641, 0.2757, 0.3088

Trichromacy



Original Color

10.3127, 0.3490, 0.5198

Protanomaly

10.1503, 0.3944, 0.4880

Deuteranomaly

10.0627, 0.4080, 0.4665

Tritanomaly

10.1997, 0.3055, 0.3887

Monochromacy



Original Color

10.3127, 0.3490, 0.5198

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.8122, 0.3321, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3127, 0.3490, 0.5198 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(65, 100, 26)` looks like.

```
.text, #text, p{  
    color:rgb(65, 100, 26)  
}
```

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(65, 100, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 100, 26) }
```

Border

The CSS property to change the border of an element to Yxy 10.3127, 0.3490, 0.5198 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(65, 100, 26) }
```

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

```
.border{ border-color:rgb(65, 100, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 100, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 100, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 100, 26);  
box-shadow:4px 4px 4px 4px rgb(65, 100,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3127, 0.3490, 0.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 100, 26) }
```

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

```
.background{ background-color: rgb(65, 100,  
26) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor