

Converting Colors

$Y_{xy}(10.7183, 0.3307, 0.5580)$

Have a look what the booklet for
Yxy(10.7183, 0.3307, 0.5580)
contains.

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Color

Yxy(10.7878, 0.3307, 0.5576)

Conversions

Conversions Part 1

Format	Color
Hex	31690E
RGB	49, 105, 14
RGB Percent	19%, 41%, 5%
CMY	0.8078, 0.5882, 0.9450
CMYK	0.53, 0.00, 0.87, 0.59
HSL	97°, 76%, 23%
HSV	97°, 87%, 41%
XYZ	6.3980, 10.7878, 2.1610
YIQ	77.8820, -4.1650, -40.1730

Conversions

Conversions Part 2

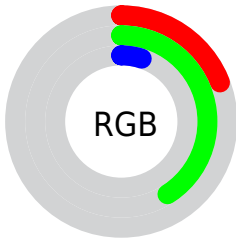
Format	Color
RYB	14, 105, 70
Decimal	3238158
CIELab	39.22, -34.63, 41.06
CIElCh	39, 53.710, 130.142
Yxy	10.7878, 0.3307, 0.5576
Android (android.graphics.Color)	4281428238 (0xFF31690E)
YUV	77.8820, -31.4938, -25.3295
Hunter-Lab	32.8448, -22.7075, 19.0903

Details

The Yxy color **10.7878, 0.3307, 0.5576** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6369, 0.2438, 0.1228**, and the grayscale version is **7.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3321, 0.3349, 0.4942**, and **2.9263, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.6149, 0.3270, 0.5739**, and if you desaturate by 10%, it is **10.9970, 0.3332, 0.5371**.

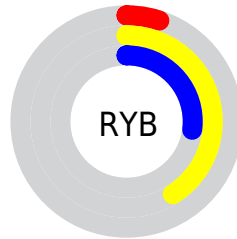
Distribution



Red (19%)

Green (41%)

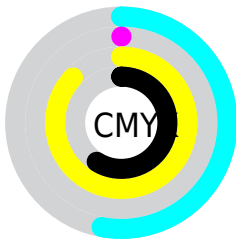
Blue (5%)



Red (5%)

Yellow (41%)

Blue (27%)

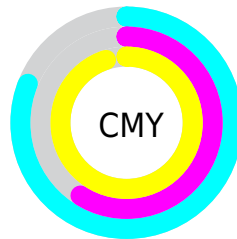


Cyan (53%)

Magenta (0%)

Yellow (87%)

Black (59%)



Cyan (81%)

Magenta (59%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7878, 0.3307, 0.5576 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 10.7878, 0.3307, 0.5576 by changing the saturation by 10% instead.


 10.7878, 0.3307,
0.5576


 10.7878, 0.3307,
0.5576


196.2059, 0.3287,
0.4103


 5.9243, 0.3226,
0.6103

 27.2671, 0.3345,
0.4939


 2.7991, 0.3042,
0.6958


 39.6517, 0.3341,
0.4731

 1.0278, 0.1084,
0.8916

 55.3122, 0.3333,
0.4569

 0.0000, 0.0000,
0.0000


 74.6329, 0.3324,
0.4438


 97.9982, 0.3314,
0.4331


 125.7925, 0.3305,


0.4242


 158.4003, 0.3296,
0.4167

 10.7878, 0.3307,
0.5576

 10.7878, 0.3307,
0.5576


 10.6149, 0.3270,
0.5739

 10.9970, 0.3332,
0.5371

 10.5621, 0.3259,
0.5794

 11.2467, 0.3341,
0.5121

 11.5400, 0.3335,
0.4842

 11.8791, 0.3315,
0.4549

 12.2662, 0.3284,
0.4253

■ 12.7034, 0.3246,
0.3966

■ 13.1924, 0.3203,
0.3695

■ 13.7351, 0.3158,
0.3445

■ 14.3331, 0.3112,
0.3216

Harmonies

Analogous

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



10.7878, 0.4344, 0.5162



10.7878, 0.3307, 0.5576



10.7878, 0.2278, 0.4902

Triad

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



10.7878, 0.3307, 0.5576



10.7878, 0.1324, 0.1769



10.7878, 0.4914, 0.2832

Complementary

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



10.7878, 0.3307, 0.5576



2.6369, 0.2438, 0.1228

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.



10.7878, 0.3733, 0.2205



10.7878, 0.3307, 0.5576



10.7878, 0.1733, 0.1622

Square

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



10.7878, 0.3307, 0.5576



10.7878, 0.1253, 0.2326



10.7878, 0.2542, 0.1779



10.7878, 0.5447, 0.3555

Rectangle

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



10.7878, 0.3307, 0.5576



10.7878, 0.1741, 0.3945



10.7878, 0.2542, 0.1779



10.7878, 0.4564, 0.2608

Sweetspot

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



10.7883, 0.3307, 0.5576



22.7386, 0.3246, 0.3969



7.2432, 0.4812, 0.4352



5.2797, 0.3256, 0.4038



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.



10.7883, 0.3307, 0.5576



18.8469, 0.3240, 0.5809



10.2591, 0.2967, 0.5649



3.4963, 0.3168, 0.3501



13.3531, 0.3251, 0.5801



67.5718, 0.3212, 0.5831

Inverse Universe

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



2.6369, 0.2438, 0.1228



3.7453, 0.2286, 0.1033



4.1606, 0.3418, 0.1758



3.1086, 0.3083, 0.3081



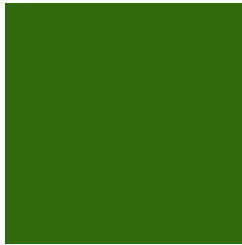
2.6762, 0.2300, 0.1041



13.1257, 0.2251, 0.1014

Previews

White Background



This preview shows how the Yxy color 10.7878, 0.3307, 0.5576 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



This preview shows how the Yxy color 10.7878, 0.3307, 0.5576 looks on a 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 10.7878, 0.3307, 0.5576

Background



This preview shows how black text looks on a background with the Yxy color 10.7878, 0.3307, 0.5576.



This preview shows how white text looks on a background with the Yxy color 10.7878, 0.3307, 0.5576.

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

10.7878, 0.3307, 0.5576

Protanopia

10.6193, 0.4351, 0.4818

Deuteranopia

10.5996, 0.4535, 0.4457



Tritanopia

10.8660, 0.2580, 0.3087

Trichromacy



Original Color

10.7878, 0.3307, 0.5576

Protanomaly

10.4584, 0.3924, 0.5136

Deuteranomaly

10.3349, 0.4045, 0.4889

Tritanomaly

10.7182, 0.2907, 0.4068

Monochromacy



Original Color

10.7878, 0.3307, 0.5576

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.4486, 0.3272, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7878, 0.3307, 0.5576 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(49, 105, 14)` looks like.

```
.text, #text, p{  
    color:rgb(49, 105, 14)  
}
```

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(49, 105, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 105, 14) }
```

Border

The CSS property to change the border of an element to Yxy 10.7878, 0.3307, 0.5576 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(49, 105, 14) }
```

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

```
.border{ border-color:rgb(49, 105, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 105, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 105, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 105, 14);  
box-shadow:4px 4px 4px 4px rgb(49, 105,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7878, 0.3307, 0.5576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 105, 14) }
```

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

```
.background{ background-color: rgb(49, 105,  
14) }
```

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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