

Converting Colors

$Y_{xy}(12.5959, 0.3121, 0.5809)$

Have a look what the booklet for
Yxy(12.5959, 0.3121, 0.5809)
contains.

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Color

$Y_{xy}(12.5883, 0.3123, 0.5802)$

Conversions

Conversions Part 1

Format	Color
Hex	207309
RGB	32, 115, 9
RGB Percent	13%, 45%, 4%
CMY	0.8745, 0.5490, 0.9645
CMYK	0.72, 0.00, 0.92, 0.55
HSL	107°, 85%, 24%
HSV	107°, 92%, 45%
XYZ	6.7758, 12.5883, 2.3324
YIQ	78.0990, -15.4420, -50.5620

Conversions

Conversions Part 2

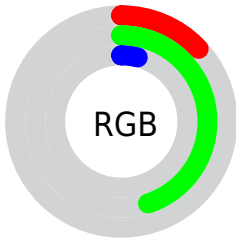
Format	Color
R_{YB}	9, 115, 92
Decimal	2126601
CIE _{Lab}	42.14, -43.27, 44.69
CIE _{LCh}	42, 62.202, 134.072
Yxy	12.5883, 0.3123, 0.5802
Android (android.graphics.Color)	4280316681 (0xFF207309)
YUV	78.0990, -34.0658, -40.4288
Hunter-Lab	35.4800, -28.0009, 20.9384

Details

The Yxy color **12.5883, 0.3123, 0.5802** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.7126, 0.2732, 0.1333**, and the grayscale version is **7.7074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6111, 0.3224, 0.5121**, and **3.7806, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4675, 0.3101, 0.5920**, and if you desaturate by 10%, it is **12.7860, 0.3156, 0.5623**.

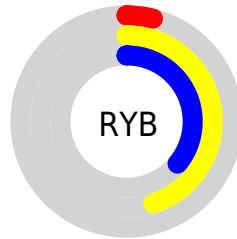
Distribution



Red (13%)

Green (45%)

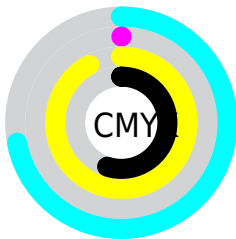
Blue (4%)



Red (4%)

Yellow (45%)

Blue (36%)

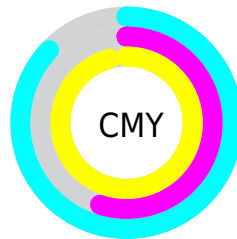


Cyan (72%)

Magenta (0%)

Yellow (92%)

Black (55%)



Cyan (87%)


Magenta (55%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5883, 0.3123, 0.5802 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 12.5883, 0.3123, 0.5802 by changing the saturation by 10% instead.


 12.5883, 0.3123,
0.5802


 12.5883, 0.3123,
0.5802


208.2620, 0.3233,
0.4199


 7.1457, 0.2990,
0.6345


 30.5621, 0.3220,
0.5117


 3.5534, 0.2755,
0.7245

 43.8621, 0.3235,
0.4892

 1.4270, 0.1340,
0.8660

 60.5500, 0.3241,
0.4714

 0.2365, 0.0000,
1.0000

 81.0102, 0.3243,
0.4570


 0.0000, 0.0000,
0.0000


 105.6272, 0.3242,
0.4452

 134.7852, 0.3240,


0.4354


 168.8686, 0.3237,
0.4270


 12.5883, 0.3123,
0.5802


 12.5883, 0.3123,
0.5802


 12.4675, 0.3101,
0.5920

 12.7860, 0.3156,
0.5623

 13.0450, 0.3181,
0.5383

 13.3710, 0.3196,
0.5097

 13.7685, 0.3201,
0.4786

 14.2415, 0.3197,
0.4466

■ 14.7938, 0.3187,
0.4153

■ 15.4289, 0.3171,
0.3858

■ 16.1501, 0.3152,
0.3585

■ 16.9604, 0.3132,
0.3339

Harmonies

Analogous

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



12.5883, 0.4247, 0.5385



12.5883, 0.3123, 0.5802



12.5883, 0.2055, 0.4899

Triad

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



12.5883, 0.3123, 0.5802



12.5883, 0.1240, 0.1612



12.5883, 0.5214, 0.2872

Complementary

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



12.5883, 0.3123, 0.5802



3.7126, 0.2732, 0.1333

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.



12.5883, 0.3969, 0.2197



12.5883, 0.3123, 0.5802



12.5883, 0.1715, 0.1513

Square

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



12.5883, 0.3123, 0.5802



12.5883, 0.1117, 0.2118



12.5883, 0.2632, 0.1717



12.5883, 0.5645, 0.3630

Rectangle

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



12.5883, 0.3123, 0.5802



12.5883, 0.1531, 0.3782



12.5883, 0.2632, 0.1717



12.5883, 0.4861, 0.2634

Sweetspot

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



12.5888, 0.3123, 0.5802



26.8591, 0.3182, 0.4051



11.3271, 0.4535, 0.4691



6.3169, 0.3187, 0.4157



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.5888, 0.3123, 0.5802



22.2731, 0.3087, 0.5931



12.4673, 0.2867, 0.5406



4.1329, 0.3146, 0.3507



14.2438, 0.3097, 0.5923



69.0966, 0.3070, 0.5945

Inverse Universe

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



3.7126, 0.2732, 0.1333



6.0589, 0.2675, 0.1247



4.4971, 0.3950, 0.2017



3.7199, 0.3106, 0.3079



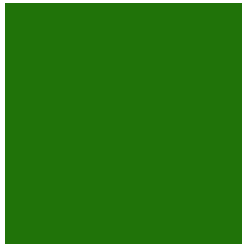
3.8961, 0.2685, 0.1253



18.6024, 0.2656, 0.1237

Previews

White Background



This preview shows how the Yxy color 12.5883, 0.3123, 0.5802 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 12.5883, 0.3123, 0.5802 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 12.5883, 0.3123, 0.5802

Background



This preview shows how black text looks on a background with the Yxy color 12.5883, 0.3123, 0.5802.



This preview shows how white text looks on a background with the Yxy color 12.5883, 0.3123, 0.5802.

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

12.5883, 0.3123, 0.5802

Protanopia

12.3684, 0.4403, 0.4886

Deuteranopia

12.3651, 0.4534, 0.4485



Tritanopia

12.6171, 0.2444, 0.3071

Trichromacy



Original Color

12.5883, 0.3123, 0.5802

Protanomaly

11.9487, 0.3834, 0.5306

Deuteranomaly

11.7774, 0.3925, 0.5029

Tritanomaly

12.2920, 0.2756, 0.4188

Monochromacy



Original Color

12.5883, 0.3123, 0.5802

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.7313, 0.3192, 0.4419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5883, 0.3123, 0.5802 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(32, 115, 9)` looks like.

```
.text, #text, p{  
  color:rgb(32, 115, 9)  
}
```

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(32, 115, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 115, 9) }
```

Border

The CSS property to change the border of an element to Yxy 12.5883, 0.3123, 0.5802 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(32, 115, 9) }
```

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

```
.border{ border-color:rgb(32, 115, 9) }
```

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

Here you see how a box with a 4 pixel rgb(32, 115, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 115, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 115, 9);  
box-shadow:4px 4px 4px 4px rgb(32, 115, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5883, 0.3123, 0.5802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 115, 9) }
```

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

```
.background{ background-color: rgb(32, 115,  
9) }
```

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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