

Converting Colors

$Y_{xy}(12.8979, 0.3272, 0.6534)$

Have a look what the booklet for
Yxy(12.8979, 0.3272, 0.6534)
contains.

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Color

Yxy(12.9168, 0.3092, 0.5927)

Conversions

Conversions Part 1

Format	Color
Hex	187500
RGB	24, 117, 0
RGB Percent	9%, 46%, 0%
CMY	0.9058, 0.5412, 1.0000
CMYK	0.79, 0.00, 1.00, 0.54
HSL	108°, 100%, 23%
HSV	108°, 100%, 46%
XYZ	6.7384, 12.9168, 2.1379
YIQ	75.8550, -17.8710, -56.1030

Conversions

Conversions Part 2

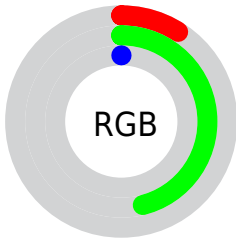
Format	Color
RYB	0, 117, 93
Decimal	1602816
CIELab	42.64, -45.81, 47.14
CIELCh	43, 65.734, 134.177
Yxy	12.9168, 0.3092, 0.5927
Android (android.graphics.Color)	4279792896 (0xFF187500)
YUV	75.8550, -37.3965, -45.4768
Hunter-Lab	35.9399, -29.4276, 21.6311

Details

The Yxy color **12.9168, 0.3092, 0.5927** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6104, 0.2714, 0.1269**, and the grayscale version is **7.2733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1126, 0.3209, 0.5214**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9173, 0.3092, 0.5927**, and if you desaturate by 10%, it is **13.0774, 0.3121, 0.5778**.

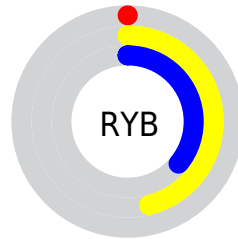
Distribution



Red (9%)

Green (46%)

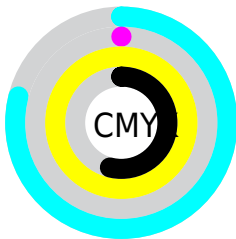
Blue (0%)



Red (0%)

Yellow (46%)

Blue (36%)

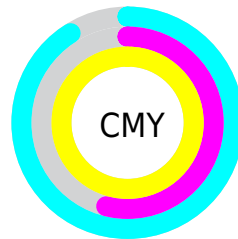


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (91%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9168, 0.3092, 0.5927 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 12.9168, 0.3092, 0.5927 by changing the saturation by 10% instead.

 12.9168, 0.3092,
0.5927


 12.9168, 0.3092,
0.5927


210.3838, 0.3234,
0.4251


 7.3713, 0.2945,
0.6493


 31.1542, 0.3207,
0.5216


 3.6954, 0.2658,
0.7342

 44.6149, 0.3227,
0.4980

 1.5047, 0.1232,
0.8768

 61.4828, 0.3236,
0.4793

 0.2920, 0.0000,
1.0000


 82.1423, 0.3240,
0.4642


 0.0000, 0.0000,
0.0000


 106.9777, 0.3240,
0.4518


 136.3735, 0.3239,

0.4414


 170.7141, 0.3237,
0.4326


 12.9168, 0.3092,
0.5927


 12.9168, 0.3092,
0.5927

 12.9173, 0.3092,
0.5927

 13.0774, 0.3121,
0.5778

 13.2918, 0.3152,
0.5586

 13.5727, 0.3175,
0.5335

 13.9255, 0.3188,
0.5041

 14.3548, 0.3193,
0.4724

■ 14.8649, 0.3189,
0.4403

■ 15.4598, 0.3179,
0.4091

■ 16.1433, 0.3164,
0.3799

■ 16.9187, 0.3146,
0.3531

Harmonies

Analogous

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



12.9168, 0.4256, 0.5455



12.9168, 0.3092, 0.5927



12.9168, 0.1996, 0.4983

Triad

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



12.9168, 0.3092, 0.5927



12.9168, 0.1184, 0.1553



12.9168, 0.5312, 0.2846

Complementary

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



12.9168, 0.3092, 0.5927



3.6104, 0.2714, 0.1269

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.



12.9168, 0.4008, 0.2158



12.9168, 0.3092, 0.5927



12.9168, 0.1667, 0.1457

Square

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



12.9168, 0.3092, 0.5927



12.9168, 0.1054, 0.2061



12.9168, 0.2611, 0.1667



12.9168, 0.5740, 0.3616

Rectangle

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



12.9168, 0.3092, 0.5927



12.9168, 0.1464, 0.3792



12.9168, 0.2611, 0.1667



12.9168, 0.4944, 0.2604

Sweetspot

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



12.9173, 0.3092, 0.5927



27.5952, 0.3180, 0.4115



11.3760, 0.4616, 0.4717



6.2609, 0.3184, 0.4216



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.



12.9173, 0.3092, 0.5927



23.0803, 0.3079, 0.5937



12.8335, 0.2880, 0.5568



4.1311, 0.3145, 0.3507



14.2259, 0.3090, 0.5929



69.0211, 0.3063, 0.5950

Inverse Universe

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



3.6104, 0.2714, 0.1269



6.4072, 0.2702, 0.1262



4.4198, 0.4043, 0.2001



3.7218, 0.3107, 0.3079



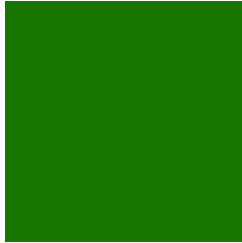
3.9712, 0.2712, 0.1268



18.9815, 0.2685, 0.1253

Previews

White Background



This preview shows how the Yxy color 12.9168, 0.3092, 0.5927 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 12.9168, 0.3092, 0.5927

Background



This preview shows how black text looks on a background with the Yxy color 12.9168, 0.3092, 0.5927.



This preview shows how white text looks on a background with the Yxy color 12.9168, 0.3092, 0.5927.

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

12.9168, 0.3092, 0.5927

Protanopia

12.8181, 0.4384, 0.4901

Deuteranopia

12.6902, 0.4556, 0.4492



Tritanopia

13.0296, 0.2420, 0.3073

Trichromacy



Original Color

12.9168, 0.3092, 0.5927

Protanomaly

12.2647, 0.3790, 0.5373

Deuteranomaly

11.8618, 0.3902, 0.5107

Tritanomaly

12.6099, 0.2748, 0.4298

Monochromacy



Original Color

12.9168, 0.3092, 0.5927

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.5654, 0.3195, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9168, 0.3092, 0.5927 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(24, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 117, 0)  
}
```

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(24, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9168, 0.3092, 0.5927 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(24, 117, 0) }
```

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

```
.border{ border-color:rgb(24, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(24, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 117, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9168, 0.3092, 0.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 117, 0) }
```

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

```
.background{ background-color: rgb(24, 117,  
0) }
```

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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