

Converting Colors

$Y_{xy}(13.5909, 0.3087, 0.5931)$

Have a look what the booklet for
Yxy(13.5909, 0.3087, 0.5931)
contains.

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Color

Yxy(13.6271, 0.3087, 0.5931)

Conversions

Conversions Part 1

Format	Color
Hex	187800
RGB	24, 120, 0
RGB Percent	9%, 47%, 0%
CMY	0.9060, 0.5294, 1.0000
CMYK	0.80, 0.00, 1.00, 0.53
HSL	108°, 100%, 24%
HSV	108°, 100%, 47%
XYZ	7.0927, 13.6271, 2.2562
YIQ	77.6160, -18.6960, -57.6720

Conversions

Conversions Part 2

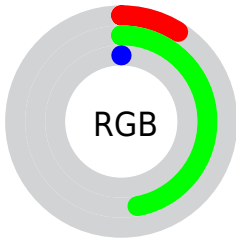
Format	Color
RYB	0, 120, 96
Decimal	1603584
CIELab	43.69, -46.79, 47.99
CIELCh	44, 67.025, 134.280
Yxy	13.6271, 0.3087, 0.5931
Android (android.graphics.Color)	4279793664 (0xFF187800)
YUV	77.6160, -38.2647, -47.0212
Hunter-Lab	36.9149, -30.3047, 22.2166

Details

The Yxy color **13.6271, 0.3087, 0.5931** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.8444, 0.2726, 0.1275**, and the grayscale version is **7.6176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3096, 0.3205, 0.5220**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6277, 0.3087, 0.5931**, and if you desaturate by 10%, it is **13.7933, 0.3116, 0.5786**.

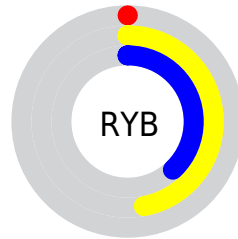
Distribution



Red (9%)

Green (47%)

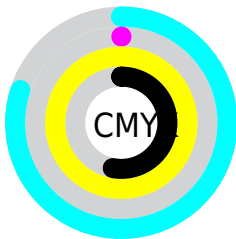
Blue (0%)



Red (0%)

Yellow (47%)

Blue (38%)

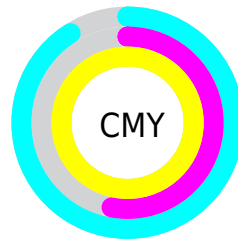


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (91%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6271, 0.3087, 0.5931 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 13.6271, 0.3087, 0.5931 by changing the saturation by 10% instead.


 13.6271, 0.3087,
0.5931


 13.6271, 0.3087,
0.5931


214.8985, 0.3233,
0.4263


 7.8618, 0.2939,
0.6478


 32.4259, 0.3203,
0.5228


 4.0066, 0.2671,
0.7329

 46.2281, 0.3223,
0.4993


 1.6773, 0.1511,
0.8489

 63.4782, 0.3233,
0.4807

 0.4089, 0.0000,
1.0000

 84.5603, 0.3237,
0.4656

 0.0000, 0.0000,
0.0000

 109.8591, 0.3238,
0.4531

 139.7587, 0.3237,


0.4427


 174.6437, 0.3235,
0.4339


 13.6271, 0.3087,
0.5931


 13.6271, 0.3087,
0.5931


 13.6277, 0.3087,
0.5931

 13.7933, 0.3116,
0.5786

 14.0173, 0.3147,
0.5594

 14.3122, 0.3170,
0.5343

 14.6839, 0.3184,
0.5048

 15.1374, 0.3189,
0.4730

■ 15.6773, 0.3186,
0.4408

■ 16.3080, 0.3176,
0.4095

■ 17.0334, 0.3163,
0.3801

■ 17.8573, 0.3146,
0.3532

Harmonies

Analogous

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



13.6271, 0.4251, 0.5458



13.6271, 0.3087, 0.5931



13.6271, 0.1991, 0.4980

Triad

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



13.6271, 0.3087, 0.5931



13.6271, 0.1183, 0.1550



13.6271, 0.5318, 0.2848

Complementary

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



13.6271, 0.3087, 0.5931



3.8444, 0.2726, 0.1275

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.



13.6271, 0.4014, 0.2159



13.6271, 0.3087, 0.5931



13.6271, 0.1667, 0.1455

Square

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



13.6271, 0.3087, 0.5931



13.6271, 0.1052, 0.2056



13.6271, 0.2615, 0.1666



13.6271, 0.5743, 0.3618

Rectangle

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



13.6271, 0.3087, 0.5931



13.6271, 0.1460, 0.3787



13.6271, 0.2615, 0.1666



13.6271, 0.4951, 0.2606

Sweetspot

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



13.6277, 0.3087, 0.5931



28.5940, 0.3177, 0.4117



12.3596, 0.4580, 0.4745



6.6834, 0.3181, 0.4223



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.6277, 0.3087, 0.5931



23.9187, 0.3075, 0.5941



13.5611, 0.2870, 0.5532



4.4850, 0.3144, 0.3509



14.8608, 0.3085, 0.5933



70.5931, 0.3060, 0.5952

Inverse Universe

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



3.8444, 0.2726, 0.1275



6.7053, 0.2714, 0.1269



4.6334, 0.4105, 0.2035



4.0390, 0.3108, 0.3077



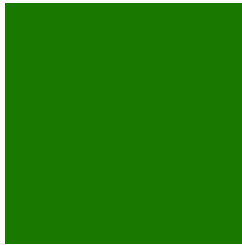
4.1878, 0.2724, 0.1274



19.6147, 0.2698, 0.1260

Previews

White Background



This preview shows how the Yxy color 13.6271, 0.3087, 0.5931 looks on a white background.

Color Contrast Check

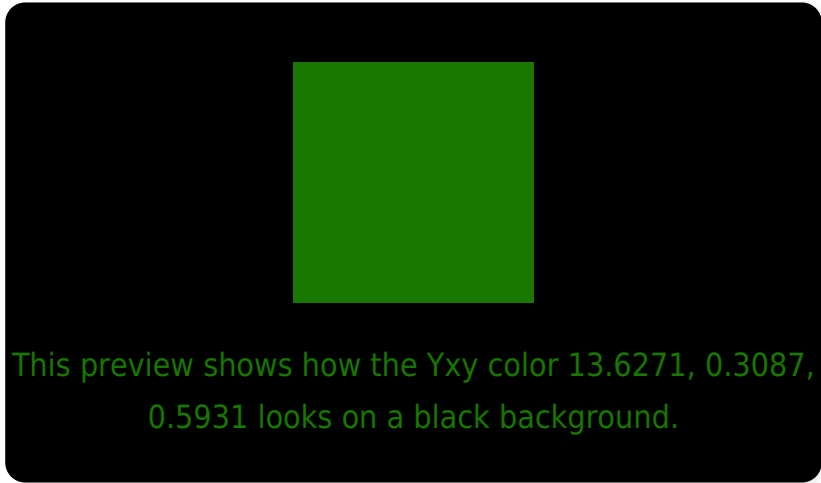
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6271, 0.3087, 0.5931

Background



This preview shows how black text looks on a background with the Yxy color 13.6271, 0.3087, 0.5931.



This preview shows how white text looks on a background with the Yxy color 13.6271, 0.3087, 0.5931.

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

13.6271, 0.3087, 0.5931

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.4771, 0.4544, 0.4500



Tritanopia

13.7810, 0.2416, 0.3077

Trichromacy



Original Color

13.6271, 0.3087, 0.5931

Protanomaly

12.7763, 0.3796, 0.5368

Deuteranomaly

12.5727, 0.3891, 0.5112

Tritanomaly

13.3328, 0.2746, 0.4303

Monochromacy



Original Color

13.6271, 0.3087, 0.5931

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.9585, 0.3179, 0.4568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6271, 0.3087, 0.5931 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, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 120, 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, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6271, 0.3087, 0.5931 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, 120, 0) }
```

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

```
.border{ border-color:rgb(24, 120, 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, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 120, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6271, 0.3087, 0.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 120, 0) }
```

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

```
.background{ background-color: rgb(24, 120,  
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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