

Converting Colors

$Y_{xy}(13.1547, 0.2911, 0.1588)$

Have a look what the booklet for
Yxy(13.1547, 0.2911, 0.1588)
contains.

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Color

Yxy(13.1322, 0.2911, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	A032B6
RGB	160, 50, 182
RGB Percent	63%, 20%, 71%
CMY	0.3724, 0.8041, 0.2862
CMYK	0.12, 0.73, 0.00, 0.29
HSL	290°, 57%, 45%
HSV	290°, 73%, 71%
XYZ	24.0881, 13.1322, 45.5283
YIQ	97.9380, 23.1880, 64.3720

Conversions

Conversions Part 2

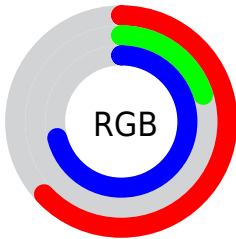
Format	Color
R_{YB}	160, 50, 182
Decimal	10498742
CIE _{Lab}	42.96, 62.27, -47.90
CIE _{LCh}	43, 78.561, 322.433
Yxy	13.1322, 0.2911, 0.1587
Android (android.graphics.Color)	4288688822 (0xFFA032B6)
YUV	97.9380, 41.4426, 54.4284
Hunter-Lab	36.2384, 55.2341, -49.1224

Details

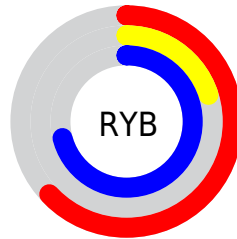
The Yxy color **13.1322, 0.2911, 0.1587** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **35.0661, 0.3132, 0.5499**, and the grayscale version is **12.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6528, 0.2987, 0.1900**, and **4.5016, 0.2753, 0.1290** is the 20% darker color. If you saturate the color by 10%, you get **11.5669, 0.2868, 0.1451**, and if you desaturate by 10%, it is **15.3245, 0.2953, 0.1765**.

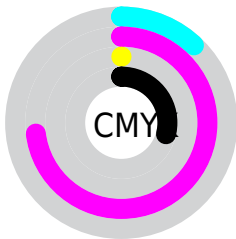
Distribution



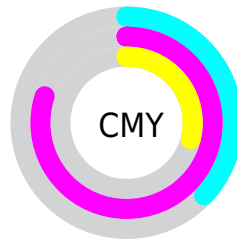
- Red (63%)
- Green (20%)
- Blue (71%)



- Red (63%)
- Yellow (20%)
- Blue (71%)



- Cyan (12%)
- Magenta (73%)
- Yellow (0%)
- Black (29%)




- Cyan (37%)
- Magenta (80%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1322, 0.2911, 0.1587 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 13.1322, 0.2911, 0.1587 by changing the saturation by 10% instead.


 13.1322, 0.2911,
0.1587


 13.1322, 0.2911,
0.1587


211.7632, 0.3080,
0.2455


 7.5196, 0.2845,
0.1378


 31.5411, 0.2989,
0.1900


 3.7892, 0.2744,
0.1121


 45.1062, 0.3014,
0.2019

 1.5563, 0.2583,
0.0807

 62.0910, 0.3032,
0.2120

 0.3279, 0.2335,
0.0337

 82.8798, 0.3046,
0.2206

 0.0000, 0.1839,
0.0000

 107.8570, 0.3058,
0.2281

 0.0000, 0.0000,
0.0000

 137.4070, 0.3067,

0.2346

171.9143, 0.3074,
0.2404

■ 13.1322, 0.2911,
0.1587

■ 13.1322, 0.2911,
0.1587

■ 11.5669, 0.2868,
0.1451

■ 15.3245, 0.2953,
0.1765

■ 10.5484, 0.2824,
0.1359

■ 18.2078, 0.2992,
0.1977

■ 10.0272, 0.2792,
0.1312

■ 21.8398, 0.3027,
0.2215

■ 26.2718, 0.3058,
0.2468

■ 31.5506, 0.3084,
0.2727

■ 37.7192, 0.3106,
0.2982

■ 44.8178, 0.3123,
0.3229

■ 52.8842, 0.3137,
0.3462

■ 61.9539, 0.3148,
0.3679

Harmonies

Analogous

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



13.1322, 0.1700, 0.1280



13.1322, 0.2911, 0.1587



13.1322, 0.4632, 0.2186

Triad

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



13.1322, 0.2911, 0.1587



13.1322, 0.5172, 0.4828



13.1322, 0.0933, 0.2695

Complementary

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



13.1322, 0.2911, 0.1587



35.0661, 0.3132, 0.5499

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.



13.1322, 0.1506, 0.4748



13.1322, 0.2911, 0.1587



13.1322, 0.3929, 0.6024

Square

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



13.1322, 0.2911, 0.1587



13.1322, 0.6002, 0.3762



13.1322, 0.2605, 0.6369



13.1322, 0.0836, 0.1646

Rectangle

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



13.1322, 0.2911, 0.1587



13.1322, 0.5626, 0.2682



13.1322, 0.2605, 0.6369



13.1322, 0.1060, 0.3277

Sweetspot

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



13.1328, 0.2911, 0.1587



57.3823, 0.3084, 0.2732



8.6847, 0.1828, 0.1315



12.0677, 0.3078, 0.2662



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.1328, 0.2911, 0.1587



19.7657, 0.2842, 0.1391



14.0586, 0.3878, 0.2179



9.0851, 0.3112, 0.3063



7.1047, 0.2797, 0.1314



0.2708, 0.2910, 0.1377

Inverse Universe

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



12.6907, 0.5177, 0.3042



19.3849, 0.5813, 0.3094



34.9460, 0.2815, 0.4903



9.0360, 0.3262, 0.3252



7.0972, 0.6132, 0.3152



0.2578, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 13.1322, 0.2911, 0.1587 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 13.1322, 0.2911, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

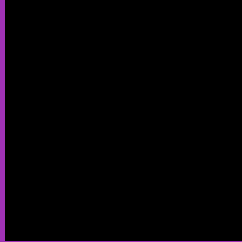
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1322, 0.2911, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 13.1322, 0.2911, 0.1587.



This preview shows how white text looks on a background with the Yxy color 13.1322, 0.2911, 0.1587.

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

13.1322, 0.2911, 0.1587

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.4214, 0.2006, 0.1957



Tritanopia

13.2037, 0.4132, 0.3188

Trichromacy



Original Color

13.1322, 0.2911, 0.1587



Protanomaly

10.9079, 0.1846, 0.1342



Deuteranomaly

11.6994, 0.2203, 0.1682



Tritanomaly

12.6119, 0.3641, 0.2445

Monochromacy



Original Color

13.1322, 0.2911, 0.1587



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5348, 0.3047, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1322, 0.2911, 0.1587 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(160, 50, 182)` looks like.

```
.text, #text, p{  
  color:rgb(160, 50, 182)  
}
```

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(160, 50, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 50, 182) }
```

Border

The CSS property to change the border of an element to Yxy 13.1322, 0.2911, 0.1587 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(160, 50, 182) }
```

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

```
.border{ border-color:rgb(160, 50, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 50, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 50, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 50, 182);  
box-shadow:4px 4px 4px 4px rgb(160, 50,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1322, 0.2911, 0.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 50, 182) }
```

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

```
.background{ background-color: rgb(160, 50,  
182) }
```

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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