

Converting Colors

$Y_{xy}(13.0850, 0.3468, 0.1832)$

Have a look what the booklet for
Yxy(13.0850, 0.3468, 0.1832)
contains.

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Color

Yxy(13.0850, 0.3468, 0.1832)

Conversions

Conversions Part 1

Format	Color
Hex	B0269E
RGB	176, 38, 158
RGB Percent	69%, 15%, 62%
CMY	0.3098, 0.8510, 0.3804
CMYK	0.00, 0.78, 0.10, 0.31
HSL	308°, 64%, 42%
HSV	308°, 78%, 69%
XYZ	24.7701, 13.0850, 33.5696
YIQ	92.9420, 43.7280, 66.5760

Conversions

Conversions Part 2

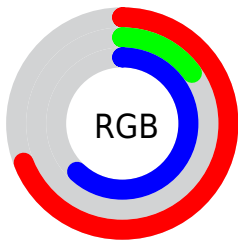
Format	Color
R _Y B	176, 38, 158
Decimal	11544222
CIE Lab	42.89, 65.53, -33.58
CIE LCh	43, 73.634, 332.872
Yxy	13.0850, 0.3468, 0.1832
Android (android.graphics.Color)	4289734302 (0xFFB0269E)
YUV	92.9420, 32.0736, 72.8419
Hunter-Lab	36.1732, 58.9272, -29.7013

Details

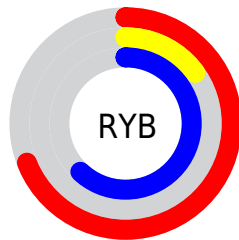
The Yxy color **13.0850, 0.3468, 0.1832** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **31.7500, 0.2950, 0.5497**, and the grayscale version is **10.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5806, 0.3416, 0.2123**, and **4.9625, 0.3493, 0.1698** is the 20% darker color. If you saturate the color by 10%, you get **12.1356, 0.3515, 0.1767**, and if you desaturate by 10%, it is **14.5690, 0.3419, 0.1940**.

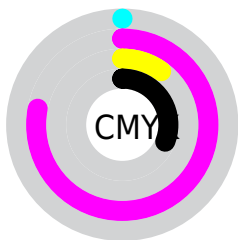
Distribution



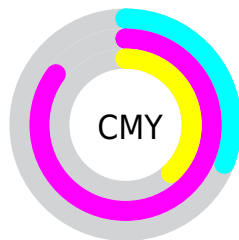
- Red (69%)
- Green (15%)
- Blue (62%)



- Red (69%)
- Yellow (15%)
- Blue (62%)



- Cyan (0%)
- Magenta (78%)
- Yellow (10%)
- Black (31%)




- Cyan (31%)
- Magenta (85%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0850, 0.3468, 0.1832 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 13.0850, 0.3468, 0.1832 by changing the saturation by 10% instead.


 13.0850, 0.3468,
0.1832


 13.0850, 0.3468,
0.1832


211.4617, 0.3308,
0.2600


 7.4871, 0.3500,
0.1634


 31.4564, 0.3414,
0.2117


 3.7686, 0.3534,
0.1382


 44.9987, 0.3393,
0.2223

 1.5450, 0.3562,
0.1054

 61.9579, 0.3374,
0.2311

 0.3201, 0.3617,
0.0480

 82.7185, 0.3357,
0.2386

 0.0000, 0.3486,
0.0000

 107.6647, 0.3342,
0.2451

 0.0000, 0.0000,
0.0000

 137.1811, 0.3330,

0.2507

171.6519, 0.3318,
0.2556

■ 13.0850, 0.3468,
0.1832

■ 13.0850, 0.3468,
0.1832

■ 12.1356, 0.3515,
0.1767

■ 14.5690, 0.3419,
0.1940

■ 11.6050, 0.3560,
0.1742

■ 16.6521, 0.3368,
0.2087

■ 11.5321, 0.3567,
0.1739

■ 19.3916, 0.3319,
0.2266

■ 22.8377, 0.3272,
0.2466

■ 27.0357, 0.3229,
0.2680

■ 32.0271, 0.3189,
0.2898

■ 37.8504, 0.3154,
0.3114

■ 44.5415, 0.3122,
0.3323

■ 52.1343, 0.3095,
0.3520

Harmonies

Analogous

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



13.0850, 0.2102, 0.1427



13.0850, 0.3468, 0.1832



13.0850, 0.5081, 0.2492

Triad

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



13.0850, 0.3468, 0.1832



13.0850, 0.4758, 0.5231



13.0850, 0.0944, 0.2294

Complementary

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



13.0850, 0.3468, 0.1832



31.7500, 0.2950, 0.5497

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.



13.0850, 0.1334, 0.3918



13.0850, 0.3468, 0.1832



13.0850, 0.3481, 0.6123

Square

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



13.0850, 0.3468, 0.1832



13.0850, 0.5690, 0.4124



13.0850, 0.2263, 0.5833



13.0850, 0.0960, 0.1545

Rectangle

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



13.0850, 0.3468, 0.1832



13.0850, 0.5796, 0.2996



13.0850, 0.2263, 0.5833



13.0850, 0.1020, 0.2727

Sweetspot

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



13.0856, 0.3468, 0.1832



52.4659, 0.3212, 0.2767



5.3081, 0.1766, 0.0932



10.7180, 0.3227, 0.2691



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.0856, 0.3468, 0.1832



21.2824, 0.3548, 0.1747



11.3705, 0.4781, 0.2654



8.6273, 0.3157, 0.3094



8.4670, 0.3563, 0.1736



0.2717, 0.3451, 0.1675

Inverse Universe

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



13.0856, 0.3468, 0.1832



21.2824, 0.3548, 0.1747



32.8972, 0.2589, 0.4279



8.6273, 0.3157, 0.3094



8.4670, 0.3563, 0.1736



0.2717, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 13.0850, 0.3468, 0.1832 looks on a white background.

Color Contrast Check

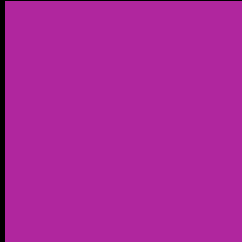
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0850, 0.3468, 0.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

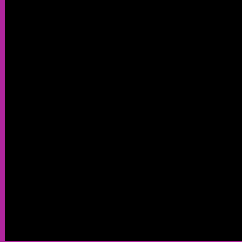
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0850, 0.3468, 0.1832

Background



This preview shows how black text looks on a background with the Yxy color 13.0850, 0.3468, 0.1832.



This preview shows how white text looks on a background with the Yxy color 13.0850, 0.3468, 0.1832.

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

13.0850, 0.3468, 0.1832

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.5117, 0.2387, 0.2347



Tritanopia

13.1996, 0.4801, 0.3238

Trichromacy



Original Color

13.0850, 0.3468, 0.1832



Protanomaly

10.1593, 0.1894, 0.1358



Deuteranomaly

11.6409, 0.2698, 0.1988



Tritanomaly

12.7040, 0.4320, 0.2631

Monochromacy



Original Color

13.0850, 0.3468, 0.1832



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.2604, 0.3268, 0.2437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0850, 0.3468, 0.1832 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(176, 38, 158)` looks like.

```
.text, #text, p{  
    color:rgb(176, 38, 158)  
}
```

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(176, 38, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 38, 158) }
```

Border

The CSS property to change the border of an element to Yxy 13.0850, 0.3468, 0.1832 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(176, 38, 158) }
```

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

```
.border{ border-color:rgb(176, 38, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 38, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 38, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 38, 158);  
box-shadow:4px 4px 4px 4px rgb(176, 38,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0850, 0.3468, 0.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 38, 158) }
```

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

```
.background{ background-color: rgb(176, 38,  
158) }
```

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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