

Converting Colors

$Y_{xy}(13.2697, 0.3682, 0.2018)$

Have a look what the booklet for
Yxy(13.2697, 0.3682, 0.2018)
contains.

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Color

Yxy(13.2682, 0.3690, 0.2025)

Conversions

Conversions Part 1

Format	Color
Hex	B12D91
RGB	177, 45, 145
RGB Percent	69%, 18%, 57%
CMY	0.3060, 0.8234, 0.4314
CMYK	0.00, 0.75, 0.18, 0.31
HSL	315°, 59%, 44%
HSV	315°, 75%, 69%
XYZ	24.1776, 13.2682, 28.0762
YIQ	95.8680, 46.5720, 59.0840

Conversions

Conversions Part 2

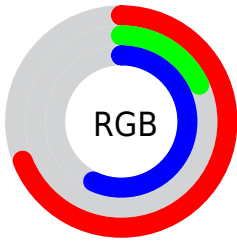
Format	Color
R_{YB}	177, 45, 145
Decimal	11611537
CIE _{Lab}	43.16, 61.79, -25.29
CIE _{LCh}	43, 66.763, 337.740
Yxy	13.2682, 0.3690, 0.2025
Android (android.graphics.Color)	4289801617 (0xFFB12D91)
YUV	95.8680, 24.2221, 71.1528
Hunter-Lab	36.4255, 54.7354, -20.2018

Details

The Yxy color **13.2682, 0.3690, 0.2025** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **32.5316, 0.2879, 0.5162**, and the grayscale version is **11.5993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8570, 0.3580, 0.2288**, and **4.8012, 0.3820, 0.1878** is the 20% darker color. If you saturate the color by 10%, you get **12.0589, 0.3787, 0.1959**, and if you desaturate by 10%, it is **15.0498, 0.3593, 0.2134**.

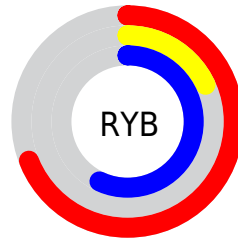
Distribution



Red (69%)

Green (18%)

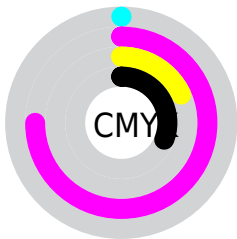
Blue (57%)



Red (69%)

Yellow (18%)

Blue (57%)

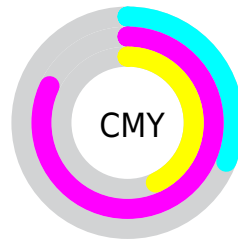


Cyan (0%)

Magenta (75%)

Yellow (18%)

Black (31%)



Cyan (31%)


Magenta (82%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2682, 0.3690, 0.2025 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 13.2682, 0.3690, 0.2025 by changing the saturation by 10% instead.


 13.2682, 0.3690,
0.2025


 13.2682, 0.3690,
0.2025

212.6294, 0.3388,
0.2707

 7.6135, 0.3771,
0.1841


 31.7848, 0.3576,
0.2284


 3.8486, 0.3876,
0.1600


 45.4154, 0.3534,
0.2378


 1.5893, 0.4017,
0.1274

 62.4735, 0.3500,
0.2456

 0.3503, 0.4286,
0.0656

 83.3435, 0.3470,
0.2522

 0.0000, 0.4553,
0.0000

 108.4096, 0.3445,
0.2578

 0.0000, 0.0000,
0.0000

 138.0564, 0.3424,

0.2627

172.6682, 0.3405,
0.2669

■ 13.2682, 0.3690,
0.2025

■ 13.2682, 0.3690,
0.2025

■ 12.0589, 0.3787,
0.1959

■ 15.0498, 0.3593,
0.2134

■ 11.3439, 0.3882,
0.1939

■ 17.4649, 0.3500,
0.2279

■ 11.0686, 0.3933,
0.1940

■ 20.5689, 0.3413,
0.2449

■ 24.4105, 0.3334,
0.2635

■ 29.0342, 0.3264,
0.2828

■ 34.4808, 0.3202,
0.3020

■ 40.7884, 0.3149,
0.3208

■ 47.9924, 0.3103,
0.3386

■ 56.1267, 0.3065,
0.3554

Harmonies

Analogous

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



13.2682, 0.2360, 0.1590



13.2682, 0.3690, 0.2025



13.2682, 0.5098, 0.2685

Triad

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



13.2682, 0.3690, 0.2025



13.2682, 0.4499, 0.5271



13.2682, 0.1061, 0.2239

Complementary

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



13.2682, 0.3690, 0.2025



32.5316, 0.2879, 0.5162

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.



13.2682, 0.1384, 0.3586



13.2682, 0.3690, 0.2025



13.2682, 0.3340, 0.5934

Square

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



13.2682, 0.3690, 0.2025



13.2682, 0.5420, 0.4294



13.2682, 0.2203, 0.5329



13.2682, 0.1120, 0.1612

Rectangle

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



13.2682, 0.3690, 0.2025



13.2682, 0.5652, 0.3183



13.2682, 0.2203, 0.5329



13.2682, 0.1120, 0.2598

Sweetspot

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



13.2689, 0.3690, 0.2025



54.0081, 0.3250, 0.2870



6.5824, 0.1952, 0.1085



11.1840, 0.3267, 0.2819



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.



13.2689, 0.3690, 0.2025



20.7414, 0.3844, 0.1942



11.8069, 0.4986, 0.2869



8.6108, 0.3173, 0.3119



8.0314, 0.3923, 0.1935



0.2612, 0.3686, 0.1804

Inverse Universe

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



13.2689, 0.3690, 0.2025



20.7414, 0.3844, 0.1942



33.9424, 0.2504, 0.3923



8.6108, 0.3173, 0.3119



8.0314, 0.3923, 0.1935



0.2612, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 13.2682, 0.3690, 0.2025 looks on a white background.

Color Contrast Check

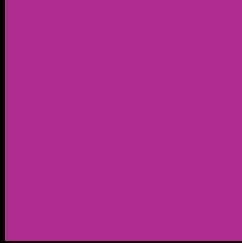
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2682, 0.3690, 0.2025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

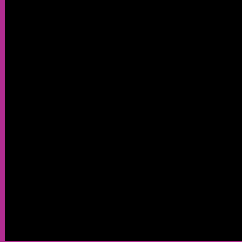
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2682, 0.3690, 0.2025

Background



This preview shows how black text looks on a background with the Yxy color 13.2682, 0.3690, 0.2025.



This preview shows how white text looks on a background with the Yxy color 13.2682, 0.3690, 0.2025.

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

13.2682, 0.3690, 0.2025

Protanopia

13.7019, 0.1948, 0.1717

Deuteranopia

13.4932, 0.2610, 0.2554



Tritanopia

13.3952, 0.4867, 0.3240

Trichromacy



Original Color

13.2682, 0.3690, 0.2025

Protanomaly

11.5600, 0.2305, 0.1678

Deuteranomaly

12.0634, 0.2942, 0.2220

Tritanomaly

13.0168, 0.4459, 0.2751

Monochromacy



Original Color

13.2682, 0.3690, 0.2025

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

10.8826, 0.3344, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2682, 0.3690, 0.2025 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(177, 45, 145)` looks like.

```
.text, #text, p{  
    color:rgb(177, 45, 145)  
}
```

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(177, 45, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 45, 145) }
```

Border

The CSS property to change the border of an element to Yxy 13.2682, 0.3690, 0.2025 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(177, 45, 145) }
```

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

```
.border{ border-color:rgb(177, 45, 145) }
```

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

Here you see how a box with a 4 pixel rgb(177, 45, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 45, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 45, 145);  
box-shadow:4px 4px 4px 4px rgb(177, 45,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2682, 0.3690, 0.2025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 45, 145) }
```

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

```
.background{ background-color: rgb(177, 45,  
145) }
```

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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