

Converting Colors

$Y_{xy}(18.8128, 0.4137, 0.2177)$

Have a look what the booklet for
Yxy(18.8128, 0.4137, 0.2177)
contains.

Yxy(18.7462, 0.4133, 0.2173)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.7462, 0.4133, 0.2173)

Conversions

Conversions Part 1

Format	Color
Hex	DB2699
RGB	219, 38, 153
RGB Percent	86%, 15%, 60%
CMY	0.1412, 0.8509, 0.4001
CMYK	0.00, 0.83, 0.30, 0.14
HSL	322°, 72%, 50%
HSV	322°, 83%, 86%
XYZ	35.6549, 18.7462, 31.8677
YIQ	105.2290, 70.9610, 74.1370

Conversions

Conversions Part 2

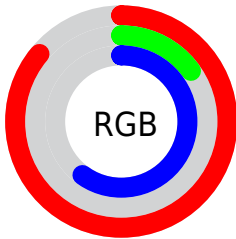
Format	Color
R_{YB}	219, 38, 153
Decimal	14362265
CIE _{Lab}	50.39, 74.44, -18.32
CIE _{LCh}	50, 76.667, 346.171
Yxy	18.7462, 0.4133, 0.2173
Android (android.graphics.Color)	4292552345 (0xFFDB2699)
YUV	105.2290, 23.5511, 99.7772
Hunter-Lab	43.2969, 71.2248, -13.3312

Details

The Yxy color **18.7462, 0.4133, 0.2173** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **52.0758, 0.2797, 0.5088**, and the grayscale version is **14.1159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0731, 0.3680, 0.2302**, and **8.3302, 0.4357, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **17.4784, 0.4296, 0.2176**, and if you desaturate by 10%, it is **20.8562, 0.3969, 0.2222**.

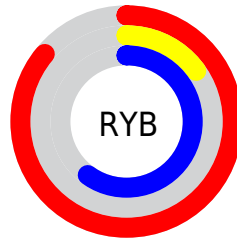
Distribution



Red (86%)

Green (15%)

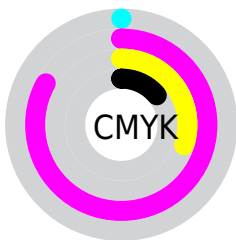
Blue (60%)



Red (86%)

Yellow (15%)

Blue (60%)

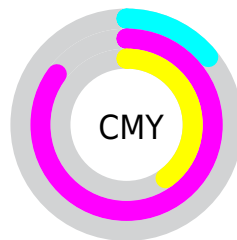


Cyan (0%)

Magenta (83%)

Yellow (30%)

Black (14%)



Cyan (14%)


Magenta (85%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7462, 0.4133, 0.2173 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 18.7462, 0.4133, 0.2173 by changing the saturation by 10% instead.


 18.7462, 0.4133,
0.2173


 18.7462, 0.4133,
0.2173


245.0440, 0.3587,
0.2757

 11.4870, 0.4283,
0.2022


 41.3048, 0.3924,
0.2390


 6.3954, 0.4484,
0.1825


 57.3730, 0.3849,
0.2470

 3.0870, 0.4765,
0.1563


 77.1464, 0.3787,
0.2537

 1.1773, 0.5180,
0.1203

 101.0093, 0.3734,
0.2594

 0.0431, 0.6208,
0.0115

 129.3461, 0.3690,
0.2643

 0.0000, 0.8680,
0.0000

162.5412, 0.3651,

 0.0000, 0.0000,

0.2686

0.0000

200.9791, 0.3617,
0.2723

■ 18.7462, 0.4133,
0.2173

■ 18.7462, 0.4133,
0.2173

■ 17.4784, 0.4296,
0.2176

■ 20.8562, 0.3969,
0.2222

■ 16.9273, 0.4414,
0.2205

■ 23.9315, 0.3809,
0.2315

■ 28.0779, 0.3661,
0.2443

■ 33.3865, 0.3526,
0.2595

■ 39.9385, 0.3408,
0.2758

■ 47.8079, 0.3305,
0.2926

■ 57.0629, 0.3218,
0.3091

■ 67.7667, 0.3145,
0.3250

■ 79.9789, 0.3083,
0.3399

Harmonies

Analogous

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



18.7462, 0.2678, 0.1658



18.7462, 0.4133, 0.2173



18.7462, 0.5436, 0.2877

Triad

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



18.7462, 0.4133, 0.2173



18.7462, 0.4178, 0.5548



18.7462, 0.1014, 0.1974

Complementary

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



18.7462, 0.4133, 0.2173



52.0758, 0.2797, 0.5088

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.



18.7462, 0.1214, 0.3117



18.7462, 0.4133, 0.2173



18.7462, 0.2994, 0.5999

Square

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



18.7462, 0.4133, 0.2173



18.7462, 0.5225, 0.4563



18.7462, 0.1896, 0.4926



18.7462, 0.1168, 0.1498

Rectangle

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



18.7462, 0.4133, 0.2173



18.7462, 0.5795, 0.3389



18.7462, 0.1896, 0.4926



18.7462, 0.1036, 0.2265

Sweetspot

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



18.7472, 0.4133, 0.2173



64.4424, 0.3330, 0.2882



9.2903, 0.1968, 0.0968



12.9416, 0.3366, 0.2823



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.7472, 0.4133, 0.2173



23.9563, 0.4411, 0.2207



16.8316, 0.5679, 0.3097



13.1900, 0.3193, 0.3143



10.0588, 0.4391, 0.2193



0.6680, 0.4148, 0.2059

Inverse Universe

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



18.7472, 0.4133, 0.2173



23.9563, 0.4411, 0.2207



54.8747, 0.2391, 0.3683



13.1900, 0.3193, 0.3143



10.0588, 0.4391, 0.2193



0.6680, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 18.7462, 0.4133, 0.2173 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7462, 0.4133, 0.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

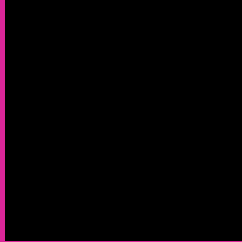
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7462, 0.4133, 0.2173

Background



This preview shows how black text looks on a background with the Yxy color 18.7462, 0.4133, 0.2173.



This preview shows how white text looks on a background with the Yxy color 18.7462, 0.4133, 0.2173.

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

18.7462, 0.4133, 0.2173

Protanopia

19.3155, 0.2054, 0.1852

Deuteranopia

19.0050, 0.2885, 0.2838



Tritanopia

18.7483, 0.5330, 0.3257

Trichromacy



Original Color

18.7462, 0.4133, 0.2173



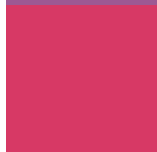
Protanomaly

15.6442, 0.2520, 0.1783



Deuteranomaly

16.4194, 0.3309, 0.2389



Tritanomaly

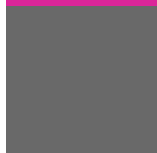
18.3129, 0.4950, 0.2847

Monochromacy



Original Color

18.7462, 0.4133, 0.2173



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.4010, 0.3538, 0.2590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7462, 0.4133, 0.2173 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(219, 38, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 38, 153)  
}
```

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(219, 38, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 38, 153) }
```

Border

The CSS property to change the border of an element to Yxy 18.7462, 0.4133, 0.2173 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(219, 38, 153) }
```

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

```
.border{ border-color:rgb(219, 38, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 38, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 38, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 38, 153);  
box-shadow:4px 4px 4px 4px rgb(219, 38,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7462, 0.4133, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 38, 153) }
```

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

```
.background{ background-color: rgb(219, 38,  
153) }
```

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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