

Converting Colors

$Y_{xy}(21.9908, 0.3760, 0.2017)$

Have a look what the booklet for
Yxy(21.9908, 0.3760, 0.2017)
contains.

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Color

Yxy(21.9609, 0.3766, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	E234B5
RGB	226, 52, 181
RGB Percent	89%, 20%, 71%
CMY	0.1136, 0.7963, 0.2901
CMYK	0.00, 0.77, 0.20, 0.11
HSL	316°, 75%, 55%
HSV	316°, 77%, 89%
XYZ	40.9429, 21.9609, 45.8135
YIQ	118.7320, 62.2950, 77.0070

Conversions

Conversions Part 2

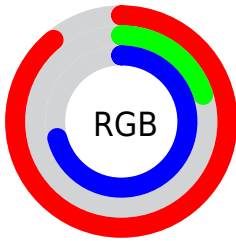
Format	Color
R _Y B	226, 52, 181
Decimal	14824629
CIE Lab	53.99, 75.95, -29.20
CIE LCh	54, 81.375, 338.969
Yxy	21.9609, 0.3766, 0.2020
Android (android.graphics.Color)	4293014709 (0xFFE234B5)
YUV	118.7320, 30.6981, 94.0740
Hunter-Lab	46.8625, 73.9432, -25.1591

Details

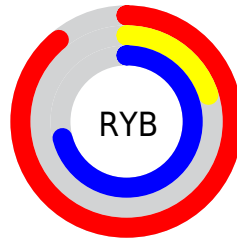
The Yxy color **21.9609, 0.3766, 0.2020** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **56.0018, 0.2869, 0.5221**, and the grayscale version is **18.2371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8652, 0.3354, 0.2130**, and **9.6655, 0.3882, 0.1912** is the 20% darker color. If you saturate the color by 10%, you get **20.1720, 0.3872, 0.1974**, and if you desaturate by 10%, it is **24.7266, 0.3659, 0.2113**.

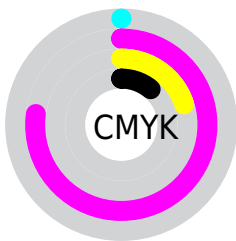
Distribution



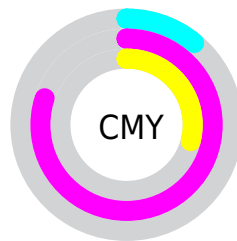
- Red (89%)
- Green (20%)
- Blue (71%)



- Red (89%)
- Yellow (20%)
- Blue (71%)



- Cyan (0%)
- Magenta (77%)
- Yellow (20%)
- Black (11%)





- Cyan (11%)
- Magenta (80%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9609, 0.3766, 0.2020 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 21.9609, 0.3766, 0.2020 by changing the saturation by 10% instead.


 21.9609, 0.3766,
0.2020


 21.9609, 0.3766,
0.2020


262.3420, 0.3447,
0.2650


 13.8282, 0.3844,
0.1868


 46.6814, 0.3651,
0.2246

 8.0013, 0.3943,
0.1677


 64.0379, 0.3607,
0.2332

 4.0957, 0.4070,
0.1432


 85.2378, 0.3570,
0.2405

 1.7273, 0.4238,
0.1114

 110.6655, 0.3539,
0.2468

 0.4412, 0.4504,
0.0614

 140.7054, 0.3511,
0.2523

 0.0000, 0.4848,
0.0000

175.7418, 0.3487,


 0.0000, 0.6031,


0.2570


0.0000

216.1592, 0.3466,
0.2613


 0.0000, 0.0000,
0.0000

 21.9609, 0.3766,
0.2020


 21.9609, 0.3766,
0.2020

 20.1720, 0.3872,
0.1974

 24.7266, 0.3659,
0.2113

 19.1980, 0.3975,
0.1975

 28.5877, 0.3556,
0.2246

 18.9868, 0.4005,
0.1980

 33.6493, 0.3459,
0.2409

 40.0034, 0.3371,
0.2591

 47.7329, 0.3292,
0.2782

■ 56.9138, 0.3223,
0.2974

■ 67.6165, 0.3164,
0.3163

■ 79.9069, 0.3113,
0.3343

■ 93.6129, 0.3070,
0.3508

Harmonies

Analogous

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



21.9609, 0.2385, 0.1568



21.9609, 0.3766, 0.2020



21.9609, 0.5203, 0.2695

Triad

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



21.9609, 0.3766, 0.2020



21.9609, 0.4454, 0.5331



21.9609, 0.1017, 0.2167

Complementary

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



21.9609, 0.3766, 0.2020



56.0018, 0.2869, 0.5221

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.



21.9609, 0.1319, 0.3515



21.9609, 0.3766, 0.2020



21.9609, 0.3275, 0.6019

Square

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



21.9609, 0.3766, 0.2020



21.9609, 0.5430, 0.4330



21.9609, 0.2126, 0.5341



21.9609, 0.1092, 0.1560

Rectangle

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



21.9609, 0.3766, 0.2020



21.9609, 0.5739, 0.3198



21.9609, 0.2126, 0.5341



21.9609, 0.1069, 0.2521

Sweetspot

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



21.9620, 0.3766, 0.2020



67.1797, 0.3264, 0.2857



10.4007, 0.1914, 0.1009



13.4847, 0.3290, 0.2786



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.



21.9620, 0.3766, 0.2020



25.6857, 0.3930, 0.1969



19.4592, 0.5176, 0.2904



13.8719, 0.3177, 0.3118



10.8486, 0.3990, 0.1972



0.7663, 0.3843, 0.1891

Inverse Universe

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



21.9620, 0.3766, 0.2020



25.6857, 0.3930, 0.1969



58.5384, 0.2482, 0.3915



13.8719, 0.3177, 0.3118



10.8486, 0.3990, 0.1972



0.7663, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 21.9609, 0.3766, 0.2020 looks on a white background.

Color Contrast Check

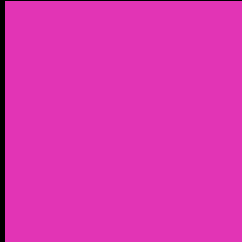
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9609, 0.3766, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

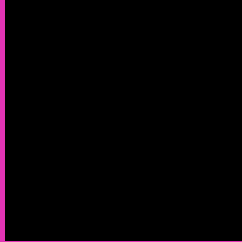
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9609, 0.3766, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 21.9609, 0.3766, 0.2020.



This preview shows how white text looks on a background with the Yxy color 21.9609, 0.3766, 0.2020.

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

21.9609, 0.3766, 0.2020

Protanopia

22.5151, 0.1924, 0.1685

Deuteranopia

22.0410, 0.2616, 0.2557



Tritanopia

21.9673, 0.5001, 0.3242

Trichromacy



Original Color

21.9609, 0.3766, 0.2020



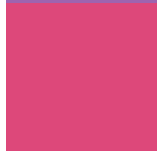
Protanomaly

18.5502, 0.2285, 0.1630



Deuteranomaly

19.4786, 0.2972, 0.2194



Tritanomaly

21.4120, 0.4586, 0.2755

Monochromacy



Original Color

21.9609, 0.3766, 0.2020



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.4065, 0.3383, 0.2552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9609, 0.3766, 0.2020 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(226, 52, 181)` looks like.

```
.text, #text, p{  
    color:rgb(226, 52, 181)  
}
```

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(226, 52, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 52, 181) }
```

Border

The CSS property to change the border of an element to Yxy 21.9609, 0.3766, 0.2020 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(226, 52, 181) }
```

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

```
.border{ border-color:rgb(226, 52, 181) }
```

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

Here you see how a box with a 4 pixel rgb(226, 52, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 52, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 52, 181);  
box-shadow:4px 4px 4px 4px rgb(226, 52,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9609, 0.3766, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 52, 181) }
```

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

```
.background{ background-color: rgb(226, 52,  
181) }
```

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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