

Converting Colors

$Y_{xy}(22.7520, 0.4052, 0.2201)$

Have a look what the booklet for
Yxy(22.7520, 0.4052, 0.2201)
contains.

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Color

Yxy(22.7520, 0.4052, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	E936A7
RGB	233, 54, 167
RGB Percent	91%, 21%, 65%
CMY	0.0865, 0.7878, 0.3452
CMYK	0.00, 0.77, 0.28, 0.09
HSL	322°, 80%, 56%
HSV	322°, 77%, 91%
XYZ	41.8860, 22.7520, 38.7332
YIQ	120.4030, 70.4110, 73.0910

Conversions

Conversions Part 2

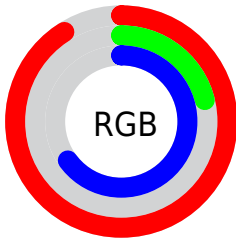
Format	Color
RYB	233, 54, 167
Decimal	15283879
CIELab	54.82, 75.25, -19.61
CIElCh	55, 77.766, 345.391
Yxy	22.7520, 0.4052, 0.2201
Android (android.graphics.Color)	4293473959 (0xFFE936A7)
YUV	120.4030, 22.9723, 98.7476
Hunter-Lab	47.6991, 73.2730, -14.7561

Details

The Yxy color **22.7520, 0.4052, 0.2201** is a light color, and the websafe version is hex **CC3399**, and the color name is **frostbite**. The color can be described as light washed rose. A complement of this color would be **60.3974, 0.2788, 0.4946**, and the grayscale version is **18.8409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4908, 0.3502, 0.2271**, and **10.1220, 0.4275, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **20.7679, 0.4220, 0.2176**, and if you desaturate by 10%, it is **25.7974, 0.3887, 0.2275**.

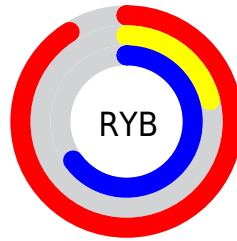
Distribution



Red (91%)

Green (21%)

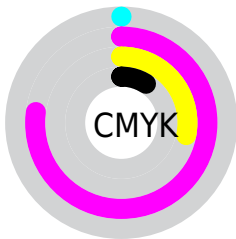
Blue (65%)



Red (91%)

Yellow (21%)

Blue (65%)

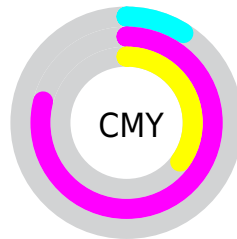


Cyan (0%)

Magenta (77%)

Yellow (28%)

Black (9%)



Cyan (9%)


Magenta (79%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7520, 0.4052, 0.2201 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 22.7520, 0.4052, 0.2201 by changing the saturation by 10% instead.


 22.7520, 0.4052,
0.2201


 22.7520, 0.4052,
0.2201


266.4486, 0.3566,
0.2754


 14.4105, 0.4180,
0.2063


 47.9858, 0.3870,
0.2403


 8.4067, 0.4348,
0.1886


 65.6469, 0.3803,
0.2478

 4.3563, 0.4578,
0.1655


 87.1832, 0.3747,
0.2542

 1.8748, 0.4905,
0.1343

 112.9793, 0.3700,
0.2597

 0.5332, 0.5441,
0.0850

 143.4195, 0.3659,
0.2644

 0.0000, 0.6484,
0.0000

178.8882, 0.3624,

 0.0000, 1.0000,

0.2685

0.0000

219.7698, 0.3593,
0.2721

■ 0.0000, 0.0000,
0.0000

■ 22.7520, 0.4052,
0.2201

■ 22.7520, 0.4052,
0.2201

■ 20.7679, 0.4220,
0.2176

■ 25.7974, 0.3887,
0.2275

■ 19.6745, 0.4383,
0.2202

■ 30.0317, 0.3730,
0.2390


■ 19.4234, 0.4436,
0.2217


■ 35.5681, 0.3587,
0.2532

■ 42.5057, 0.3460,
0.2691

■ 50.9339, 0.3349,
0.2857

 60.9344, 0.3254,
0.3024

 72.5833, 0.3174,
0.3185

 85.9514, 0.3107,
0.3338

 95.3871, 0.3052,
0.3396

Harmonies

Analogous

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



22.7520, 0.2671, 0.1704



22.7520, 0.4052, 0.2201



22.7520, 0.5307, 0.2889

Triad

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



22.7520, 0.4052, 0.2201



22.7520, 0.4203, 0.5456



22.7520, 0.1081, 0.2054

Complementary

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



22.7520, 0.4052, 0.2201



60.3974, 0.2788, 0.4946

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.



22.7520, 0.1296, 0.3177



22.7520, 0.4052, 0.2201



22.7520, 0.3058, 0.5864

Square

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



22.7520, 0.4052, 0.2201



22.7520, 0.5191, 0.4531



22.7520, 0.1983, 0.4877



22.7520, 0.1221, 0.1568

Rectangle

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



22.7520, 0.4052, 0.2201



22.7520, 0.5679, 0.3392



22.7520, 0.1983, 0.4877



22.7520, 0.1108, 0.2344

Sweetspot

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



22.7532, 0.4052, 0.2201



66.8020, 0.3313, 0.2919



12.4988, 0.2073, 0.1092



13.3927, 0.3349, 0.2858



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.



22.7532, 0.4052, 0.2201



24.6189, 0.4314, 0.2185



20.5133, 0.5494, 0.3106



15.2140, 0.3194, 0.3142



11.0507, 0.4412, 0.2204



0.8862, 0.4201, 0.2088

Inverse Universe

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



22.7532, 0.4052, 0.2201



24.6189, 0.4314, 0.2185



63.6483, 0.2393, 0.3611



15.2140, 0.3194, 0.3142



11.0507, 0.4412, 0.2204



0.8862, 0.4201, 0.2088

Previews

White Background



This preview shows how the Yxy color 22.7520, 0.4052, 0.2201 looks on a white background.

Color Contrast Check

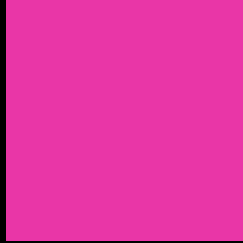
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7520, 0.4052, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

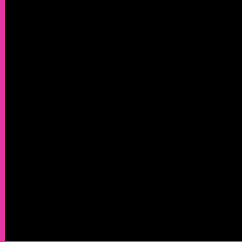
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7520, 0.4052, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 22.7520, 0.4052, 0.2201.



This preview shows how white text looks on a background with the Yxy color 22.7520, 0.4052, 0.2201.

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

22.7520, 0.4052, 0.2201

Protanopia

23.2498, 0.2104, 0.1922

Deuteranopia

23.0404, 0.2874, 0.2824



Tritanopia

22.7241, 0.5171, 0.3247

Trichromacy



Original Color

22.7520, 0.4052, 0.2201



Protanomaly

19.6067, 0.2556, 0.1874



Deuteranomaly

20.5110, 0.3268, 0.2434



Tritanomaly

22.4023, 0.4790, 0.2849

Monochromacy



Original Color

22.7520, 0.4052, 0.2201



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7490, 0.3492, 0.2649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7520, 0.4052, 0.2201 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(233, 54, 167)` looks like.

```
.text, #text, p{  
    color:rgb(233, 54, 167)  
}
```

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(233, 54, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 54, 167) }
```

Border

The CSS property to change the border of an element to Yxy 22.7520, 0.4052, 0.2201 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(233, 54, 167) }
```

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

```
.border{ border-color:rgb(233, 54, 167) }
```

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

Here you see how a box with a 4 pixel rgb(233, 54, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 54, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 54, 167);  
box-shadow:4px 4px 4px 4px rgb(233, 54,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7520, 0.4052, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 54, 167) }
```

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

```
.background{ background-color: rgb(233, 54,  
167) }
```

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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