

Converting Colors

$Y_{xy}(22.1522, 0.3918, 0.2263)$

Have a look what the booklet for
Yxy(22.1522, 0.3918, 0.2263)
contains.

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Color

Yxy(22.1522, 0.3918, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	DC45A4
RGB	220, 69, 164
RGB Percent	86%, 27%, 64%
CMY	0.1371, 0.7296, 0.3568
CMYK	0.00, 0.69, 0.25, 0.14
HSL	322°, 68%, 57%
HSV	322°, 69%, 86%
XYZ	38.3528, 22.1522, 37.3837
YIQ	124.9790, 59.5010, 61.5570

Conversions

Conversions Part 2

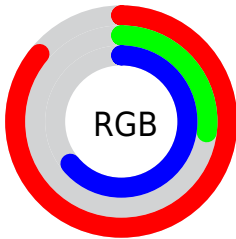
Format	Color
RYB	220, 69, 164
Decimal	14435748
CIELab	54.19, 66.94, -19.03
CIELCh	54, 69.597, 344.130
Yxy	22.1522, 0.3918, 0.2263
Android (android.graphics.Color)	4292625828 (0xFFDC45A4)
YUV	124.9790, 19.2374, 83.3334
Hunter-Lab	47.0661, 63.0886, -14.1466

Details

The Yxy color **22.1522, 0.3918, 0.2263** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **53.9481, 0.2789, 0.4739**, and the grayscale version is **20.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8128, 0.3520, 0.2384**, and **8.7469, 0.4151, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **19.6461, 0.4085, 0.2197**, and if you desaturate by 10%, it is **25.6824, 0.3759, 0.2371**.

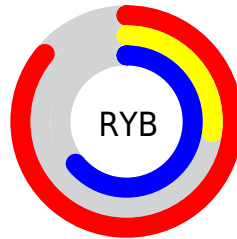
Distribution



Red (86%)

Green (27%)

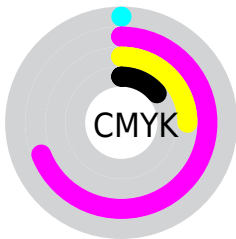
Blue (64%)



Red (86%)

Yellow (27%)

Blue (64%)

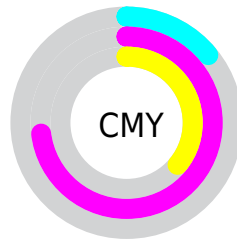


Cyan (0%)

Magenta (69%)

Yellow (25%)

Black (14%)



Cyan (14%)


Magenta (73%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1522, 0.3918, 0.2263 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 22.1522, 0.3918, 0.2263 by changing the saturation by 10% instead.


 22.1522, 0.3918,
0.2263


 22.1522, 0.3918,
0.2263


263.3401, 0.3500,
0.2790

 13.9688, 0.4029,
0.2129


 46.9974, 0.3761,
0.2457

 8.0990, 0.4175,
0.1957


 64.4280, 0.3704,
0.2529

 4.1583, 0.4376,
0.1728


 85.7098, 0.3656,
0.2590

 1.7625, 0.4667,
0.1413

 111.2271, 0.3615,
0.2641

 0.4637, 0.5175,
0.0865

 141.3644, 0.3580,
0.2686

 0.0000, 0.6218,
0.0000

176.5061, 0.3550,

 0.0000, 0.0000,

0.2725

0.0000

217.0365, 0.3524,
0.2759

■ 22.1522, 0.3918,
0.2263

■ 22.1522, 0.3918,
0.2263

■ 19.6461, 0.4085,
0.2197

■ 25.6824, 0.3759,
0.2371

■ 18.0428, 0.4253,
0.2180

■ 30.3330, 0.3613,
0.2508


■ 17.1649, 0.4417,
0.2213


■ 36.1931, 0.3483,
0.2664


■ 17.0688, 0.4439,
0.2219

■ 43.3417, 0.3369,
0.2829

■ 51.8511, 0.3271,
0.2995

 61.7883, 0.3188,
0.3156

 73.2157, 0.3119,
0.3310

 86.1920, 0.3060,
0.3455

 92.8814, 0.3013,
0.3470

Harmonies

Analogous

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



22.1522, 0.2672, 0.1800



22.1522, 0.3918, 0.2263



22.1522, 0.5069, 0.2915

Triad

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



22.1522, 0.3918, 0.2263



22.1522, 0.4221, 0.5282



22.1522, 0.1217, 0.2201

Complementary

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



22.1522, 0.3918, 0.2263



53.9481, 0.2789, 0.4739

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.



22.1522, 0.1456, 0.3267



22.1522, 0.3918, 0.2263



22.1522, 0.3157, 0.5607

Square

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



22.1522, 0.3918, 0.2263



22.1522, 0.5099, 0.4467



22.1522, 0.2137, 0.4761



22.1522, 0.1334, 0.1706

Rectangle

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



22.1522, 0.3918, 0.2263



22.1522, 0.5451, 0.3399



22.1522, 0.2137, 0.4761



22.1522, 0.1253, 0.2485

Sweetspot

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



22.1533, 0.3918, 0.2263



69.2499, 0.3294, 0.2953



13.7322, 0.2203, 0.1292



14.1015, 0.3321, 0.2907



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.



22.1533, 0.3918, 0.2263



26.3991, 0.4152, 0.2184



20.1955, 0.5127, 0.3094



13.1887, 0.3194, 0.3144



10.0363, 0.4415, 0.2206



0.6666, 0.4167, 0.2069

Inverse Universe

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



22.1533, 0.3918, 0.2263



26.3991, 0.4152, 0.2184



56.6330, 0.2426, 0.3571



13.1887, 0.3194, 0.3144



10.0363, 0.4415, 0.2206



0.6666, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 22.1522, 0.3918, 0.2263 looks on a white background.

Color Contrast Check

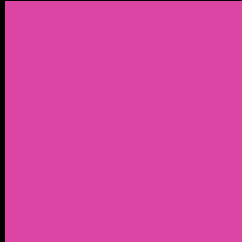
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1522, 0.3918, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

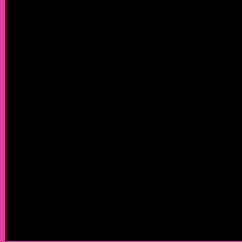
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1522, 0.3918, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 22.1522, 0.3918, 0.2263.



This preview shows how white text looks on a background with the Yxy color 22.1522, 0.3918, 0.2263.

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

22.1522, 0.3918, 0.2263

Protanopia

22.6451, 0.2211, 0.2065

Deuteranopia

22.3249, 0.2861, 0.2802



Tritanopia

22.0837, 0.4858, 0.3227

Trichromacy



Original Color

22.1522, 0.3918, 0.2263



Protanomaly

20.1608, 0.2646, 0.2044



Deuteranomaly

20.5978, 0.3214, 0.2497



Tritanomaly

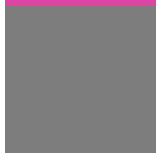
21.8157, 0.4537, 0.2861

Monochromacy



Original Color

22.1522, 0.3918, 0.2263



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4408, 0.3431, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1522, 0.3918, 0.2263 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(220, 69, 164)` looks like.

```
.text, #text, p{  
    color:rgb(220, 69, 164)  
}
```

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(220, 69, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 69, 164) }
```

Border

The CSS property to change the border of an element to Yxy 22.1522, 0.3918, 0.2263 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(220, 69, 164) }
```

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

```
.border{ border-color:rgb(220, 69, 164) }
```

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

Here you see how a box with a 4 pixel rgb(220, 69, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 69, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 69, 164);  
box-shadow:4px 4px 4px 4px rgb(220, 69,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1522, 0.3918, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 69, 164) }
```

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

```
.background{ background-color: rgb(220, 69,  
164) }
```

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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