

Converting Colors

$Y_{xy}(22.1629, 0.3864, 0.2125)$

Have a look what the booklet for
Yxy(22.1629, 0.3864, 0.2125)
contains.

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Color

Yxy(22.0508, 0.3863, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	E13AAD
RGB	225, 58, 173
RGB Percent	88%, 23%, 68%
CMY	0.1176, 0.7725, 0.3217
CMYK	0.00, 0.74, 0.23, 0.12
HSL	319°, 74%, 55%
HSV	319°, 74%, 88%
XYZ	40.1046, 22.0508, 41.6619
YIQ	121.0430, 62.6170, 71.1690

Conversions

Conversions Part 2

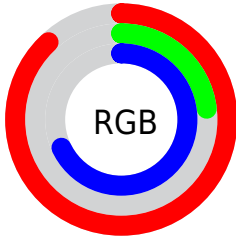
Format	Color
R _Y B	225, 58, 173
Decimal	14760621
CIE Lab	54.08, 72.95, -24.37
CIE LCh	54, 76.910, 341.529
Yxy	22.0508, 0.3863, 0.2124
Android (android.graphics.Color)	4292950701 (0xFFE13AAD)
YUV	121.0430, 25.6148, 91.1703
Hunter-Lab	46.9583, 70.2706, -19.7319

Details

The Yxy color **22.0508, 0.3863, 0.2124** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **55.8775, 0.2830, 0.5022**, and the grayscale version is **19.0389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3501, 0.3429, 0.2228**, and **9.3554, 0.4036, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **19.9923, 0.3998, 0.2073**, and if you desaturate by 10%, it is **25.1163, 0.3731, 0.2221**.

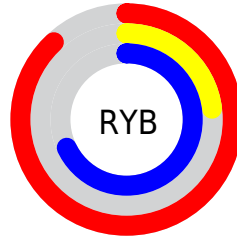
Distribution



Red (88%)

Green (23%)

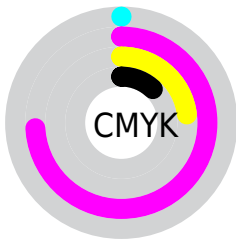
Blue (68%)



Red (88%)

Yellow (23%)

Blue (68%)

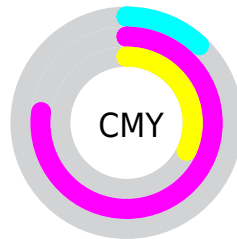


Cyan (0%)

Magenta (74%)

Yellow (23%)

Black (12%)



Cyan (12%)


Magenta (77%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0508, 0.3863, 0.2124 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 22.0508, 0.3863, 0.2124 by changing the saturation by 10% instead.


 22.0508, 0.3863,
0.2124


 22.0508, 0.3863,
0.2124


262.8114, 0.3484,
0.2711


 13.8942, 0.3960,
0.1979


 46.8299, 0.3723,
0.2337


 8.0471, 0.4086,
0.1795


 64.2213, 0.3671,
0.2417


 4.1251, 0.4253,
0.1555


 85.4597, 0.3627,
0.2485

 1.7438, 0.4486,
0.1237

 110.9296, 0.3590,
0.2543

 0.4518, 0.4874,
0.0714

 141.0153, 0.3558,
0.2594

 0.0000, 0.5477,
0.0000

176.1013, 0.3530,

 0.0000, 1.0000,

0.2638

0.0000

216.5718, 0.3505,
0.2677

■ 0.0000, 0.0000,
0.0000

■ 22.0508, 0.3863,
0.2124

■ 22.0508, 0.3863,
0.2124

■ 19.9923, 0.3998,
0.2073

■ 25.1163, 0.3731,
0.2221

■ 18.7973, 0.4130,
0.2073


■ 29.3002, 0.3605,
0.2354


■ 18.3703, 0.4205,
0.2090

■ 34.7028, 0.3490,
0.2513

■ 41.4124, 0.3386,
0.2687

■ 49.5089, 0.3296,
0.2867

 59.0659, 0.3218,
0.3046

 70.1518, 0.3152,
0.3220

 82.8306, 0.3096,
0.3384

 93.5876, 0.3050,
0.3483

Harmonies

Analogous

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



22.0508, 0.2520, 0.1660



22.0508, 0.3863, 0.2124



22.0508, 0.5182, 0.2795

Triad

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



22.0508, 0.3863, 0.2124



22.0508, 0.4344, 0.5346



22.0508, 0.1087, 0.2158

Complementary

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



22.0508, 0.3863, 0.2124



55.8775, 0.2830, 0.5022

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.



22.0508, 0.1357, 0.3377



22.0508, 0.3863, 0.2124



22.0508, 0.3207, 0.5875

Square

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



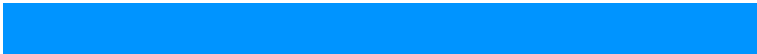
22.0508, 0.3863, 0.2124



22.0508, 0.5291, 0.4411



22.0508, 0.2107, 0.5079



22.0508, 0.1185, 0.1605

Rectangle

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



22.0508, 0.3863, 0.2124



22.0508, 0.5642, 0.3293



22.0508, 0.2107, 0.5079



22.0508, 0.1131, 0.2479

Sweetspot

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



22.0519, 0.3863, 0.2124



68.2057, 0.3279, 0.2904



11.6602, 0.2023, 0.1107



13.9067, 0.3302, 0.2855



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.



22.0519, 0.3863, 0.2124



25.5654, 0.4070, 0.2067



19.7986, 0.5202, 0.2988



13.8591, 0.3185, 0.3130



10.6078, 0.4186, 0.2080



0.7512, 0.3999, 0.1976

Inverse Universe

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



22.0519, 0.3863, 0.2124



25.5654, 0.4070, 0.2067



58.5388, 0.2451, 0.3762



13.8591, 0.3185, 0.3130



10.6078, 0.4186, 0.2080



0.7512, 0.3999, 0.1976

Previews

White Background



This preview shows how the Yxy color 22.0508, 0.3863, 0.2124 looks on a white background.

Color Contrast Check

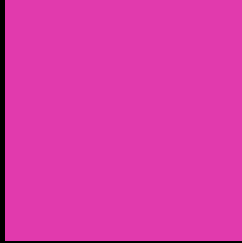
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0508, 0.3863, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

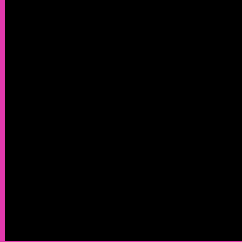
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0508, 0.3863, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 22.0508, 0.3863, 0.2124.



This preview shows how white text looks on a background with the Yxy color 22.0508, 0.3863, 0.2124.

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

22.0508, 0.3863, 0.2124

Protanopia

22.6010, 0.2043, 0.1843

Deuteranopia

22.2191, 0.2735, 0.2671



Tritanopia

21.9673, 0.5001, 0.3242

Trichromacy



Original Color

22.0508, 0.3863, 0.2124



Protanomaly

19.2420, 0.2451, 0.1802



Deuteranomaly

19.8698, 0.3098, 0.2330



Tritanomaly

21.7604, 0.4605, 0.2805

Monochromacy



Original Color

22.0508, 0.3863, 0.2124



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.9997, 0.3418, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0508, 0.3863, 0.2124 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(225, 58, 173)` looks like.

```
.text, #text, p{  
    color:rgb(225, 58, 173)  
}
```

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(225, 58, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 58, 173) }
```

Border

The CSS property to change the border of an element to Yxy 22.0508, 0.3863, 0.2124 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(225, 58, 173) }
```

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

```
.border{ border-color:rgb(225, 58, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 58, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 58, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 58, 173);  
box-shadow:4px 4px 4px 4px rgb(225, 58,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0508, 0.3863, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 58, 173) }
```

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

```
.background{ background-color: rgb(225, 58,  
173) }
```

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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