

Converting Colors

$Y_{xy}(22.6293, 0.3472, 0.1855)$

Have a look what the booklet for
Yxy(22.6293, 0.3472, 0.1855)
contains.

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Color

Yxy(22.5905, 0.3473, 0.1858)

Conversions

Conversions Part 1

Format	Color
Hex	DF37C8
RGB	223, 55, 200
RGB Percent	87%, 22%, 78%
CMY	0.1254, 0.7844, 0.2158
CMYK	0.00, 0.75, 0.10, 0.13
HSL	308°, 72%, 55%
HSV	308°, 75%, 87%
XYZ	42.2265, 22.5905, 56.7681
YIQ	121.7620, 53.5830, 80.7110

Conversions

Conversions Part 2

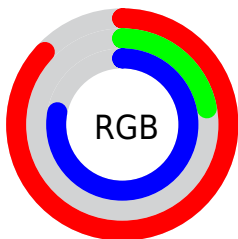
Format	Color
R _{YB}	223, 55, 200
Decimal	14628808
CIE Lab	54.65, 77.00, -39.16
CIE LCh	55, 86.391, 333.043
Yxy	22.5905, 0.3473, 0.1858
Android (android.graphics.Color)	4292818888 (0xFFDF37C8)
YUV	121.7620, 38.5713, 88.7857
Hunter-Lab	47.5295, 75.4077, -37.5439

Details

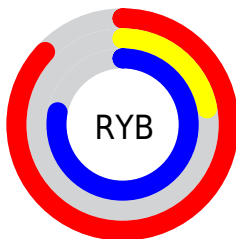
The Yxy color **22.5905, 0.3473, 0.1858** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **54.1499, 0.2946, 0.5436**, and the grayscale version is **19.2372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **9.9368, 0.3522, 0.1714** is the 20% darker color. If you saturate the color by 10%, you get **20.7894, 0.3524, 0.1785**, and if you desaturate by 10%, it is **25.3529, 0.3420, 0.1975**.

Distribution



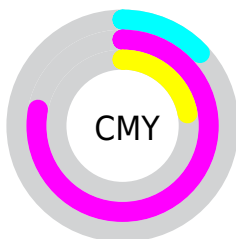
- Red (87%)
- Green (22%)
- Blue (78%)



- Red (87%)
- Yellow (22%)
- Blue (78%)



- Cyan (0%)
- Magenta (75%)
- Yellow (10%)
- Black (13%)




- Cyan (13%)
- Magenta (78%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5905, 0.3473, 0.1858 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 22.5905, 0.3473, 0.1858 by changing the saturation by 10% instead.


 22.5905, 0.3473,
0.1858


 22.5905, 0.3473,
0.1858


265.6147, 0.3324,
0.2549

 14.2914, 0.3501,
0.1698


 47.7200, 0.3425,
0.2101


 8.3236, 0.3532,
0.1501


 65.3193, 0.3405,
0.2195


 4.3027, 0.3562,
0.1256


 86.7874, 0.3388,
0.2275

 1.8443, 0.3584,
0.0951

 112.5088, 0.3372,
0.2345

 0.5146, 0.3593,
0.0532

 142.8678, 0.3358,
0.2405

 0.0000, 0.3527,
0.0000

178.2489, 0.3346,

 0.0000, 0.2296,

0.2459

0.0000

219.0364, 0.3334,
0.2506

0.0000, 0.0000,
0.0000

22.5905, 0.3473,
0.1858

22.5905, 0.3473,
0.1858

20.7894, 0.3524,
0.1785

25.3529, 0.3420,
0.1975

19.8061, 0.3572,
0.1757

29.1878, 0.3367,
0.2131

19.5172, 0.3594,
0.1753

34.1945, 0.3315,
0.2317

40.4602, 0.3266,
0.2524

48.0639, 0.3221,
0.2742

■ 57.0779, 0.3180,
0.2962

■ 67.5697, 0.3144,
0.3178

■ 79.6020, 0.3113,
0.3385

■ 92.7856, 0.3086,
0.3574

Harmonies

Analogous

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



22.5905, 0.2128, 0.1454



22.5905, 0.3473, 0.1858



22.5905, 0.5048, 0.2513

Triad

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



22.5905, 0.3473, 0.1858



22.5905, 0.4699, 0.5174



22.5905, 0.0973, 0.2312

Complementary

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



22.5905, 0.3473, 0.1858



54.1499, 0.2946, 0.5436

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.



22.5905, 0.1363, 0.3896



22.5905, 0.3473, 0.1858



22.5905, 0.3486, 0.6073

Square

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



22.5905, 0.3473, 0.1858



22.5905, 0.5645, 0.4131



22.5905, 0.2283, 0.5759



22.5905, 0.0988, 0.1572

Rectangle

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



22.5905, 0.3473, 0.1858



22.5905, 0.5747, 0.3015



22.5905, 0.2283, 0.5759



22.5905, 0.1049, 0.2737

Sweetspot

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



22.5916, 0.3473, 0.1858



67.6108, 0.3212, 0.2790



9.6534, 0.1811, 0.0983



13.5904, 0.3227, 0.2710



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.



22.5916, 0.3473, 0.1858



27.3334, 0.3550, 0.1765



19.6971, 0.4770, 0.2685



13.9016, 0.3159, 0.3090



11.4856, 0.3587, 0.1750



0.8052, 0.3520, 0.1713

Inverse Universe

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



22.5916, 0.3473, 0.1858



27.3334, 0.3550, 0.1765



56.1871, 0.2578, 0.4207



13.9016, 0.3159, 0.3090



11.4856, 0.3587, 0.1750



0.8052, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 22.5905, 0.3473, 0.1858 looks on a white background.

Color Contrast Check

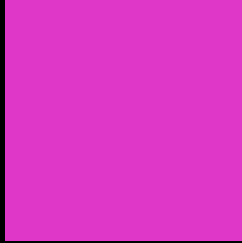
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5905, 0.3473, 0.1858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

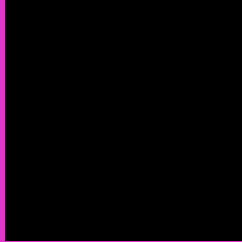
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5905, 0.3473, 0.1858

Background



This preview shows how black text looks on a background with the Yxy color 22.5905, 0.3473, 0.1858.



This preview shows how white text looks on a background with the Yxy color 22.5905, 0.3473, 0.1858.

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

22.5905, 0.3473, 0.1858

Protanopia

23.1830, 0.1835, 0.1566

Deuteranopia

22.8275, 0.2395, 0.2341



Tritanopia

22.4914, 0.4782, 0.3226

Trichromacy



Original Color

22.5905, 0.3473, 0.1858



Protanomaly

18.9504, 0.2112, 0.1498



Deuteranomaly

20.0348, 0.2706, 0.2004



Tritanomaly

21.9217, 0.4322, 0.2658

Monochromacy



Original Color

22.5905, 0.3473, 0.1858



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.3083, 0.3284, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5905, 0.3473, 0.1858 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(223, 55, 200)` looks like.

```
.text, #text, p{  
    color:rgb(223, 55, 200)  
}
```

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(223, 55, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 55, 200) }
```

Border

The CSS property to change the border of an element to Yxy 22.5905, 0.3473, 0.1858 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(223, 55, 200) }
```

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

```
.border{ border-color:rgb(223, 55, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 55, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 55, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 55, 200);  
box-shadow:4px 4px 4px 4px rgb(223, 55,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5905, 0.3473, 0.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 55, 200) }
```

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

```
.background{ background-color: rgb(223, 55,  
200) }
```

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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