

Converting Colors

$Y_{xy}(20.1565, 0.3702, 0.1902)$

Have a look what the booklet for
Yxy(20.1565, 0.3702, 0.1902)
contains.

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Color

Yxy(20.2102, 0.3703, 0.1904)

Conversions

Conversions Part 1

Format	Color
Hex	DE24B7
RGB	222, 36, 183
RGB Percent	87%, 14%, 72%
CMY	0.1293, 0.8589, 0.2823
CMYK	0.00, 0.84, 0.18, 0.13
HSL	313°, 74%, 51%
HSV	313°, 84%, 87%
XYZ	39.3059, 20.2102, 46.6299
YIQ	108.3720, 63.6690, 85.1490

Conversions

Conversions Part 2

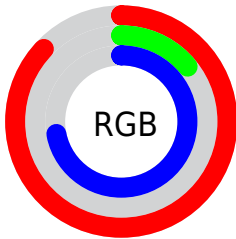
Format	Color
R_{YB}	222, 36, 183
Decimal	14558391
CIE _{Lab}	52.07, 79.09, -33.38
CIE _{LCh}	52, 85.849, 337.116
Yxy	20.2102, 0.3703, 0.1904
Android (android.graphics.Color)	4292748471 (0xFFDE24B7)
YUV	108.3720, 36.7916, 99.6518
Hunter-Lab	44.9558, 77.3941, -30.0290

Details

The Yxy color **20.2102, 0.3703, 0.1904** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **53.1334, 0.2909, 0.5496**, and the grayscale version is **14.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0074, 0.3341, 0.2045**, and **9.2931, 0.3776, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **19.0684, 0.3783, 0.1881**, and if you desaturate by 10%, it is **22.1920, 0.3620, 0.1974**.

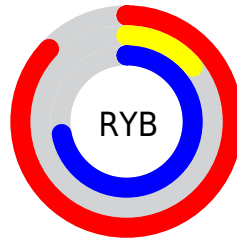
Distribution



Red (87%)

Green (14%)

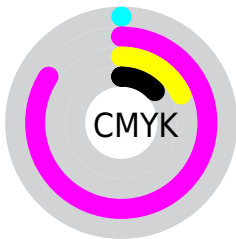
Blue (72%)



Red (87%)

Yellow (14%)

Blue (72%)

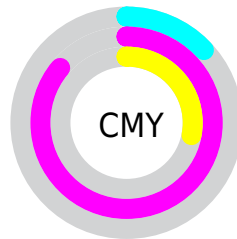


Cyan (0%)

Magenta (84%)

Yellow (18%)

Black (13%)



Cyan (13%)


Magenta (86%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2102, 0.3703, 0.1904 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 20.2102, 0.3703, 0.1904 by changing the saturation by 10% instead.


 20.2102, 0.3703,
0.1904


 20.2102, 0.3703,
0.1904


253.0508, 0.3422,
0.2590


 12.5479, 0.3769,
0.1740


 43.7693, 0.3604,
0.2149

 7.1180, 0.3850,
0.1535


 60.4350, 0.3565,
0.2242


 3.5360, 0.3950,
0.1277


 80.8705, 0.3533,
0.2322

 1.4176, 0.4073,
0.0948

 105.4604, 0.3505,
0.2391

 0.2296, 0.4307,
0.0336

 134.5889, 0.3480,
0.2450

 0.0000, 0.4381,
0.0000

168.6406, 0.3458,

 0.0000, 0.2046,

0.2502

0.0000

207.9997, 0.3439,
0.2549

■ 0.0000, 0.0000,
0.0000

■ 20.2102, 0.3703,
0.1904

■ 20.2102, 0.3703,
0.1904

■ 19.0684, 0.3783,
0.1881

■ 22.1920, 0.3620,
0.1974

■ 18.6453, 0.3831,
0.1884

■ 25.1445, 0.3537,
0.2089

■ 29.1788, 0.3456,
0.2240

■ 34.3902, 0.3379,
0.2419

■ 40.8637, 0.3309,
0.2614

■ 48.6762, 0.3247,
0.2817

■ 57.8986, 0.3191,
0.3020

■ 68.5966, 0.3143,
0.3217

■ 80.8320, 0.3103,
0.3405

Harmonies

Analogous

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



20.2102, 0.2253, 0.1456



20.2102, 0.3703, 0.1904



20.2102, 0.5289, 0.2590

Triad

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



20.2102, 0.3703, 0.1904



20.2102, 0.4558, 0.5357



20.2102, 0.0914, 0.2133

Complementary

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



20.2102, 0.3703, 0.1904



53.1334, 0.2909, 0.5496

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.



20.2102, 0.1234, 0.3634



20.2102, 0.3703, 0.1904



20.2102, 0.3297, 0.6213

Square

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



20.2102, 0.3703, 0.1904



20.2102, 0.5588, 0.4255



20.2102, 0.2094, 0.5652



20.2102, 0.0977, 0.1478

Rectangle

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



20.2102, 0.3703, 0.1904



20.2102, 0.5900, 0.3100



20.2102, 0.2094, 0.5652



20.2102, 0.0970, 0.2522

Sweetspot

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



20.2112, 0.3703, 0.1904



65.0194, 0.3255, 0.2788



7.9585, 0.1758, 0.0844



13.0804, 0.3277, 0.2716



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.



20.2112, 0.3703, 0.1904



25.5018, 0.3837, 0.1887



17.5612, 0.5272, 0.2833



13.8838, 0.3170, 0.3107



11.0899, 0.3820, 0.1878



0.7812, 0.3708, 0.1816

Inverse Universe

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



20.2112, 0.3703, 0.1904



25.5018, 0.3837, 0.1887



55.3862, 0.2515, 0.4126



13.8838, 0.3170, 0.3107



11.0899, 0.3820, 0.1878



0.7812, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 20.2102, 0.3703, 0.1904 looks on a white background.

Color Contrast Check

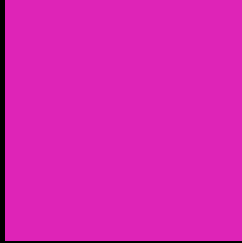
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2102, 0.3703, 0.1904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

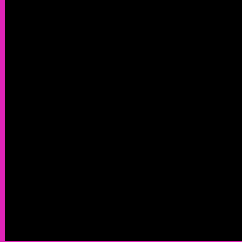
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2102, 0.3703, 0.1904

Background



This preview shows how black text looks on a background with the Yxy color 20.2102, 0.3703, 0.1904.



This preview shows how white text looks on a background with the Yxy color 20.2102, 0.3703, 0.1904.

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

20.2102, 0.3703, 0.1904

Protanopia

20.9971, 0.1782, 0.1500

Deuteranopia

20.4595, 0.2516, 0.2456



Tritanopia

20.2041, 0.5102, 0.3253

Trichromacy



Original Color

20.2102, 0.3703, 0.1904



Protanomaly

15.6869, 0.2044, 0.1395



Deuteranomaly

17.1961, 0.2875, 0.2032



Tritanomaly

19.4859, 0.4619, 0.2693

Monochromacy



Original Color

20.2102, 0.3703, 0.1904



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.1734, 0.3378, 0.2420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2102, 0.3703, 0.1904 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(222, 36, 183)` looks like.

```
.text, #text, p{  
    color:rgb(222, 36, 183)  
}
```

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(222, 36, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 36, 183) }
```

Border

The CSS property to change the border of an element to Yxy 20.2102, 0.3703, 0.1904 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(222, 36, 183) }
```

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

```
.border{ border-color:rgb(222, 36, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 36, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 36, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 36, 183);  
box-shadow:4px 4px 4px 4px rgb(222, 36,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2102, 0.3703, 0.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 36, 183) }
```

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

```
.background{ background-color: rgb(222, 36,  
183) }
```

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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