

Converting Colors

$Yxy(20.4338, 0.3644, 0.1873)$

Have a look what the booklet for
Yxy(20.4338, 0.3644, 0.1873)
contains.

Yxy(20.4406, 0.3645, 0.1874)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4406, 0.3645, 0.1874)

Conversions

Conversions Part 1

Format	Color
Hex	DE25BB
RGB	222, 37, 187
RGB Percent	87%, 15%, 73%
CMY	0.1294, 0.8549, 0.2666
CMYK	0.00, 0.83, 0.16, 0.13
HSL	311°, 74%, 51%
HSV	311°, 83%, 87%
XYZ	39.7577, 20.4406, 48.8764
YIQ	109.4150, 62.1100, 85.8700

Conversions

Conversions Part 2

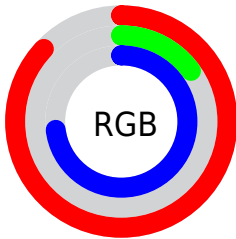
Format	Color
R_{YB}	222, 37, 187
Decimal	14558651
CIE _{Lab}	52.33, 79.40, -35.32
CIE _{LCh}	52, 86.905, 336.018
Yxy	20.4406, 0.3645, 0.1874
Android (android.graphics.Color)	4292748731 (0xFFDE25BB)
YUV	109.4150, 38.2494, 98.7370
Hunter-Lab	45.2113, 77.8489, -32.4485

Details

The Yxy color **20.4406, 0.3645, 0.1874** 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 **53.1046, 0.2921, 0.5528**, and the grayscale version is **15.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3070, 0.3293, 0.2008**, and **9.3748, 0.3715, 0.1820** is the 20% darker color. If you saturate the color by 10%, you get **19.2775, 0.3716, 0.1845**, and if you desaturate by 10%, it is **22.4493, 0.3571, 0.1949**.

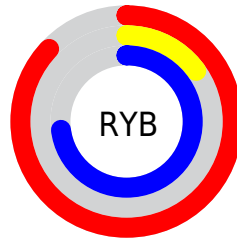
Distribution



Red (87%)

Green (15%)

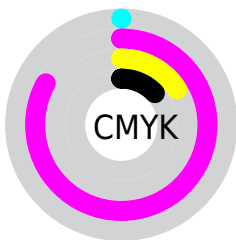
Blue (73%)



Red (87%)

Yellow (15%)

Blue (73%)

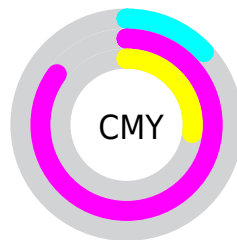


Cyan (0%)

Magenta (83%)

Yellow (16%)

Black (13%)



Cyan (13%)


Magenta (85%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4406, 0.3645, 0.1874 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 20.4406, 0.3645, 0.1874 by changing the saturation by 10% instead.


 20.4406, 0.3645,
0.1874


 20.4406, 0.3645,
0.1874


254.2905, 0.3399,
0.2570

 12.7157, 0.3700,
0.1709


 44.1547, 0.3559,
0.2122


 7.2331, 0.3767,
0.1504


 60.9126, 0.3526,
0.2216


 3.6083, 0.3847,
0.1247


 81.4504, 0.3497,
0.2297

 1.4570, 0.3940,
0.0922

 106.1524, 0.3472,
0.2367

 0.2581, 0.4107,
0.0351

 135.4030, 0.3450,
0.2428

 0.0000, 0.4112,
0.0000

169.5866, 0.3431,

 0.0000, 0.1892,

0.2481

0.0000

209.0877, 0.3414,
0.2528

■ 0.0000, 0.0000,
0.0000

■ 20.4406, 0.3645,
0.1874

■ 20.4406, 0.3645,
0.1874

■ 19.2775, 0.3716,
0.1845

■ 22.4493, 0.3571,
0.1949

■ 18.8264, 0.3761,
0.1846

■ 25.4328, 0.3497,
0.2069

■ 29.5016, 0.3424,
0.2224

■ 34.7502, 0.3355,
0.2407

■ 41.2631, 0.3292,
0.2607

■ 49.1171, 0.3235,
0.2815

■ 58.3825, 0.3184,
0.3023

■ 69.1251, 0.3140,
0.3225

■ 81.4062, 0.3103,
0.3417

Harmonies

Analogous

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



20.4406, 0.2204, 0.1435



20.4406, 0.3645, 0.1874



20.4406, 0.5257, 0.2556

Triad

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



20.4406, 0.3645, 0.1874



20.4406, 0.4606, 0.5325



20.4406, 0.0906, 0.2160

Complementary

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



20.4406, 0.3645, 0.1874



53.1046, 0.2921, 0.5528

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.



20.4406, 0.1243, 0.3708



20.4406, 0.3645, 0.1874



20.4406, 0.3337, 0.6219

Square

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



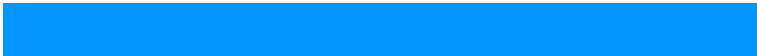
20.4406, 0.3645, 0.1874



20.4406, 0.5628, 0.4216



20.4406, 0.2124, 0.5733



20.4406, 0.0959, 0.1480

Rectangle

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



20.4406, 0.3645, 0.1874



20.4406, 0.5901, 0.3066



20.4406, 0.2124, 0.5733



20.4406, 0.0967, 0.2563

Sweetspot

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



20.4416, 0.3645, 0.1874



65.0986, 0.3245, 0.2776



7.9332, 0.1746, 0.0843



13.0995, 0.3265, 0.2702



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.



20.4416, 0.3645, 0.1874



25.7546, 0.3766, 0.1848



17.6896, 0.5201, 0.2798



13.8889, 0.3167, 0.3102



11.1979, 0.3752, 0.1840



0.7878, 0.3653, 0.1786

Inverse Universe

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



20.4416, 0.3645, 0.1874



25.7546, 0.3766, 0.1848



55.2964, 0.2529, 0.4171



13.8889, 0.3167, 0.3102



11.1979, 0.3752, 0.1840



0.7878, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 20.4406, 0.3645, 0.1874 looks on a white background.

Color Contrast Check

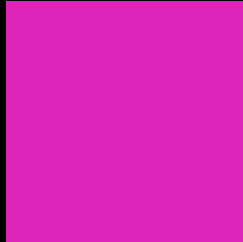
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4406, 0.3645, 0.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

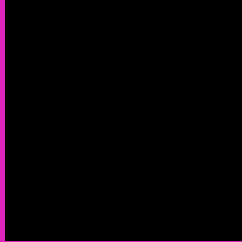
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4406, 0.3645, 0.1874

Background



This preview shows how black text looks on a background with the Yxy color 20.4406, 0.3645, 0.1874.



This preview shows how white text looks on a background with the Yxy color 20.4406, 0.3645, 0.1874.

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

20.4406, 0.3645, 0.1874

Protanopia

21.1014, 0.1759, 0.1468

Deuteranopia

20.7380, 0.2471, 0.2414



Tritanopia

20.5235, 0.5057, 0.3253

Trichromacy



Original Color

20.4406, 0.3645, 0.1874



Protanomaly

15.5669, 0.1987, 0.1352



Deuteranomaly

17.3391, 0.2810, 0.1992



Tritanomaly

19.6462, 0.4581, 0.2678

Monochromacy



Original Color

20.4406, 0.3645, 0.1874



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4767, 0.3361, 0.2410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4406, 0.3645, 0.1874 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, 37, 187)` looks like.

```
.text, #text, p{  
    color:rgb(222, 37, 187)  
}
```

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, 37, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 37, 187) }
```

Border

The CSS property to change the border of an element to Yxy 20.4406, 0.3645, 0.1874 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, 37, 187) }
```

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

```
.border{ border-color:rgb(222, 37, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 37, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 37, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 37, 187);  
box-shadow:4px 4px 4px 4px rgb(222, 37,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4406, 0.3645, 0.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 37, 187) }
```

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

```
.background{ background-color: rgb(222, 37,  
187) }
```

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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