

Converting Colors

$Yxy(20.3136, 0.4557, 0.2323)$

Have a look what the booklet for
Yxy(20.3136, 0.4557, 0.2323)
contains.

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Color

Yxy(20.3901, 0.4557, 0.2322)

Conversions

Conversions Part 1

Format	Color
Hex	ED128E
RGB	237, 18, 142
RGB Percent	93%, 7%, 56%
CMY	0.0707, 0.9287, 0.4433
CMYK	0.00, 0.92, 0.40, 0.07
HSL	326°, 86%, 50%
HSV	326°, 92%, 93%
XYZ	40.0162, 20.3901, 27.4063
YIQ	97.6170, 90.7200, 84.9920

Conversions

Conversions Part 2

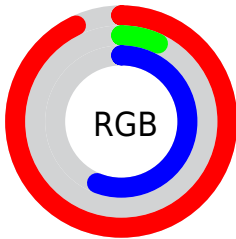
Format	Color
R_{YB}	237, 18, 142
Decimal	15536782
CIE _{Lab}	52.28, 80.45, -8.56
CIE _{LCh}	52, 80.909, 353.926
Yxy	20.3901, 0.4557, 0.2322
Android (android.graphics.Color)	4293726862 (0xFFED128E)
YUV	97.6170, 21.8808, 122.2389
Hunter-Lab	45.1554, 79.1628, -4.3763

Details

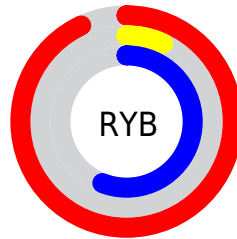
The Yxy color **20.3901, 0.4557, 0.2322** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **61.8816, 0.2764, 0.5103**, and the grayscale version is **12.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3599, 0.3818, 0.2353**, and **9.8867, 0.4843, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **19.7237, 0.4711, 0.2369**, and if you desaturate by 10%, it is **21.9238, 0.4351, 0.2302**.

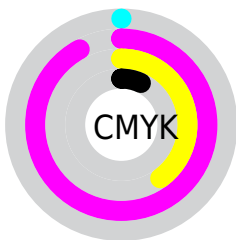
Distribution



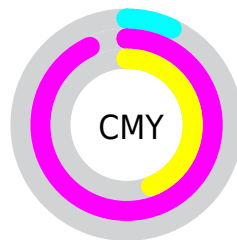
- Red (93%)
- Green (7%)
- Blue (56%)



- Red (93%)
- Yellow (7%)
- Blue (56%)



- Cyan (0%)
- Magenta (92%)
- Yellow (40%)
- Black (7%)





- Cyan (7%)
- Magenta (93%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3901, 0.4557, 0.2322 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 20.3901, 0.4557, 0.2322 by changing the saturation by 10% instead.


 20.3901, 0.4557,
0.2322


 20.3901, 0.4557,
0.2322


254.0192, 0.3770,
0.2839


 12.6789, 0.4777,
0.2184


 44.0703, 0.4253,
0.2517


 7.2078, 0.5074,
0.2002


 60.8080, 0.4145,
0.2588

 3.5924, 0.5491,
0.1755

 81.3234, 0.4055,
0.2647

 1.4483, 0.6110,
0.1405

 106.0009, 0.3980,
0.2698

 0.2519, 0.7318,
0.0601

 135.2248, 0.3915,
0.2741

 0.0000, 1.0000,
0.0000

169.3796, 0.3860,

 0.0000, 0.0000,

0.2778

0.0000

208.8496, 0.3812,
0.2810

■ 20.3901, 0.4557,
0.2322

■ 20.3901, 0.4557,
0.2322

■ 19.7237, 0.4711,
0.2369

■ 21.9238, 0.4351,
0.2302

■ 24.4765, 0.4144,
0.2336

■ 28.2029, 0.3945,
0.2416

■ 33.2301, 0.3761,
0.2531

■ 39.6686, 0.3597,
0.2668

■ 47.6173, 0.3455,
0.2816

■ 57.1658, 0.3333,
0.2967

■ 68.3968, 0.3231,
0.3116

■ 81.3873, 0.3145,
0.3258

Harmonies

Analogous

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



20.3901, 0.3016, 0.1738



20.3901, 0.4557, 0.2322



20.3901, 0.5694, 0.3057

Triad

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



20.3901, 0.4557, 0.2322



20.3901, 0.3870, 0.5805



20.3901, 0.0989, 0.1767

Complementary

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



20.3901, 0.4557, 0.2322



61.8816, 0.2764, 0.5103

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.



20.3901, 0.1085, 0.2721



20.3901, 0.4557, 0.2322



20.3901, 0.2667, 0.5963

Square

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



20.3901, 0.4557, 0.2322



20.3901, 0.5006, 0.4833



20.3901, 0.1633, 0.4479



20.3901, 0.1231, 0.1415

Rectangle

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



20.3901, 0.4557, 0.2322



20.3901, 0.5857, 0.3584



20.3901, 0.1633, 0.4479



20.3901, 0.0981, 0.2001

Sweetspot

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



20.3913, 0.4557, 0.2322



60.7566, 0.3401, 0.2880



10.0622, 0.1970, 0.0889



12.0116, 0.3456, 0.2814



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.



20.3913, 0.4557, 0.2322



23.2819, 0.4718, 0.2373



18.5477, 0.6202, 0.3249



15.1968, 0.3204, 0.3158



10.7977, 0.4679, 0.2351



0.8671, 0.4420, 0.2208

Inverse Universe

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



20.3913, 0.4557, 0.2322



23.2819, 0.4718, 0.2373



65.9799, 0.2309, 0.3481



15.1968, 0.3204, 0.3158



10.7977, 0.4679, 0.2351



0.8671, 0.4420, 0.2208

Previews

White Background



This preview shows how the Yxy color 20.3901, 0.4557, 0.2322 looks on a white background.

Color Contrast Check

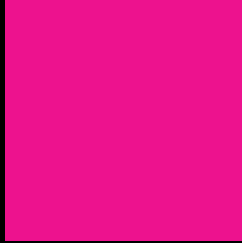
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3901, 0.4557, 0.2322 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 20.3901, 0.4557, 0.2322

Background



This preview shows how black text looks on a background with the Yxy color 20.3901, 0.4557, 0.2322.



This preview shows how white text looks on a background with the Yxy color 20.3901, 0.4557, 0.2322.

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

20.3901, 0.4557, 0.2322

Protanopia

20.8631, 0.2201, 0.2044

Deuteranopia

20.7359, 0.3172, 0.3115



Tritanopia

20.5082, 0.5700, 0.3283

Trichromacy



Original Color

20.3901, 0.4557, 0.2322



Protanomaly

15.9953, 0.2782, 0.1892



Deuteranomaly

16.8889, 0.3688, 0.2529



Tritanomaly

20.0320, 0.5369, 0.2932

Monochromacy



Original Color

20.3901, 0.4557, 0.2322



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.8607, 0.3760, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3901, 0.4557, 0.2322 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(237, 18, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 18, 142)  
}
```

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(237, 18, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 18, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.3901, 0.4557, 0.2322 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(237, 18, 142) }
```

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

```
.border{ border-color:rgb(237, 18, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 18, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 18, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 18, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 18,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3901, 0.4557, 0.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 18, 142) }
```

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

```
.background{ background-color: rgb(237, 18,  
142) }
```

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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