

Converting Colors

$Y_{xy}(20.0289, 0.3891, 0.1917)$

Have a look what the booklet for
Yxy(20.0289, 0.3891, 0.1917)
contains.

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Color

Yxy(20.0373, 0.3890, 0.1917)

Conversions

Conversions Part 1

Format	Color
Hex	E600B2
RGB	230, 0, 178
RGB Percent	90%, 0%, 70%
CMY	0.0981, 0.9988, 0.3021
CMYK	0.00, 1.00, 0.23, 0.10
HSL	314°, 100%, 45%
HSV	314°, 100%, 90%
XYZ	40.6599, 20.0373, 43.8270
YIQ	89.0620, 79.9420, 104.1180

Conversions

Conversions Part 2

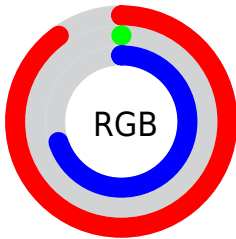
Format	Color
R_{YB}	230, 0, 178
Decimal	15073458
CIE _{Lab}	51.88, 84.16, -30.64
CIE _{LCh}	52, 89.563, 339.997
Yxy	20.0373, 0.3890, 0.1917
Android (android.graphics.Color)	4293263538 (0xFFE600B2)
YUV	89.0620, 43.8464, 123.6026
Hunter-Lab	44.7630, 83.8029, -26.7161

Details

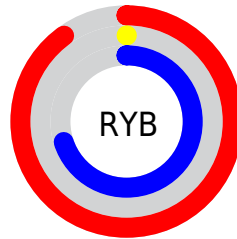
The Yxy color **20.0373, 0.3890, 0.1917** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **56.8316, 0.2937, 0.5771**, and the grayscale version is **9.9320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7499, 0.3398, 0.2012**, and **9.9157, 0.3994, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **20.0289, 0.3891, 0.1917**, and if you desaturate by 10%, it is **20.8698, 0.3804, 0.1913**.

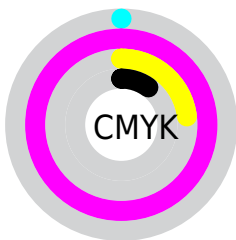
Distribution



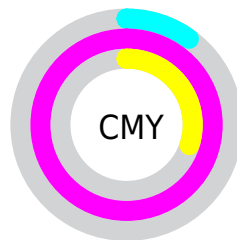
- Red (90%)
- Green (0%)
- Blue (70%)



- Red (90%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0373, 0.3890, 0.1917 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 20.0373, 0.3890, 0.1917 by changing the saturation by 10% instead.


 20.0373, 0.3890,
0.1917


 20.0373, 0.3890,
0.1917


252.1170, 0.3505,
0.2599


 12.4222, 0.3985,
0.1753


 43.4797, 0.3750,
0.2161


 7.0319, 0.4106,
0.1548


 60.0758, 0.3697,
0.2254


 3.4820, 0.4263,
0.1289


 80.4343, 0.3653,
0.2333

 1.3883, 0.4470,
0.0957

 104.9396, 0.3615,
0.2401

 0.2081, 0.4862,
0.0317

 133.9761, 0.3582,
0.2460

 0.0000, 0.5157,
0.0000

 167.9283, 0.3553,

 0.0000, 1.0000,

0.2512

0.0000

207.1804, 0.3527,
0.2558

■ 0.0000, 0.0000,
0.0000

■ 20.0373, 0.3890,
0.1917

■ 20.0373, 0.3890,
0.1917

■ 20.0289, 0.3891,
0.1917

■ 20.8698, 0.3804,
0.1913

■ 22.4438, 0.3714,
0.1951

■ 24.9886, 0.3623,
0.2036

■ 28.6388, 0.3533,
0.2163

■ 33.5075, 0.3446,
0.2324

■ 39.6938, 0.3366,
0.2508

■ 47.2865, 0.3294,
0.2704

■ 56.3668, 0.3230,
0.2904

■ 67.0098, 0.3174,
0.3102

Harmonies

Analogous

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



20.0373, 0.2336, 0.1434



20.0373, 0.3890, 0.1917



20.0373, 0.5506, 0.2628

Triad

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



20.0373, 0.3890, 0.1917



20.0373, 0.4455, 0.5521



20.0373, 0.0846, 0.1983

Complementary

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



20.0373, 0.3890, 0.1917



56.8316, 0.2937, 0.5771

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.



20.0373, 0.1114, 0.3440



20.0373, 0.3890, 0.1917



20.0373, 0.3138, 0.6371

Square

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



20.0373, 0.3890, 0.1917



20.0373, 0.5572, 0.4348



20.0373, 0.1928, 0.5613



20.0373, 0.0945, 0.1386

Rectangle

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



20.0373, 0.3890, 0.1917



20.0373, 0.6050, 0.3144



20.0373, 0.1928, 0.5613



20.0373, 0.0887, 0.2350

Sweetspot

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



20.0384, 0.3890, 0.1917



59.4542, 0.3296, 0.2698



6.3983, 0.1604, 0.0658



11.8118, 0.3326, 0.2614



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.



20.0384, 0.3890, 0.1917



25.3030, 0.3896, 0.1920



17.2114, 0.5851, 0.2998



14.5564, 0.3172, 0.3110



11.3615, 0.3878, 0.1910



0.8533, 0.3761, 0.1845

Inverse Universe

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



20.0384, 0.3890, 0.1917



25.3030, 0.3896, 0.1920



59.2939, 0.2514, 0.4250



14.5564, 0.3172, 0.3110



11.3615, 0.3878, 0.1910



0.8533, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 20.0373, 0.3890, 0.1917 looks on a white background.

Color Contrast Check

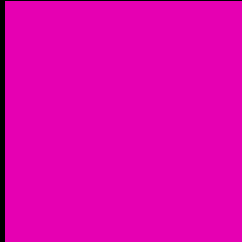
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0373, 0.3890, 0.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

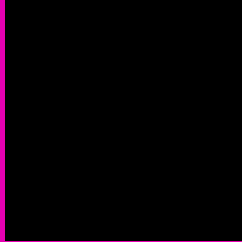
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0373, 0.3890, 0.1917

Background



This preview shows how black text looks on a background with the Yxy color 20.0373, 0.3890, 0.1917.



This preview shows how white text looks on a background with the Yxy color 20.0373, 0.3890, 0.1917.

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

20.0373, 0.3890, 0.1917

Protanopia

21.0737, 0.1773, 0.1485

Deuteranopia

20.6008, 0.2604, 0.2539



Tritanopia

20.4043, 0.5359, 0.3259

Trichromacy



Original Color

20.0373, 0.3890, 0.1917



Protanomaly

13.7418, 0.2022, 0.1258



Deuteranomaly

15.5572, 0.3005, 0.1949



Tritanomaly

19.0542, 0.4908, 0.2679

Monochromacy



Original Color

20.0373, 0.3890, 0.1917



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8822, 0.3513, 0.2207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0373, 0.3890, 0.1917 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(230, 0, 178)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 178)  
}
```

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(230, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 178) }
```

Border

The CSS property to change the border of an element to Yxy 20.0373, 0.3890, 0.1917 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(230, 0, 178) }
```

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

```
.border{ border-color:rgb(230, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0373, 0.3890, 0.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 178) }
```

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

```
.background{ background-color: rgb(230, 0,  
178) }
```

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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