

Converting Colors

$Y_{xy}(20.5074, 0.4252, 0.2237)$

Have a look what the booklet for
Yxy(20.5074, 0.4252, 0.2237)
contains.

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Color

Yxy(20.5739, 0.4263, 0.2243)

Conversions

Conversions Part 1

Format	Color
Hex	E62799
RGB	230, 39, 153
RGB Percent	90%, 15%, 60%
CMY	0.0981, 0.8467, 0.4000
CMYK	0.00, 0.83, 0.33, 0.10
HSL	324°, 79%, 53%
HSV	324°, 83%, 90%
XYZ	39.1023, 20.5739, 32.0487
YIQ	109.1050, 77.2420, 75.9460

Conversions

Conversions Part 2

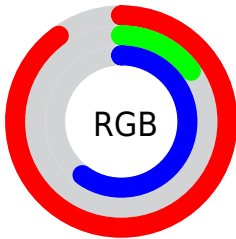
Format	Color
R _Y B	230, 39, 153
Decimal	15083417
CIE Lab	52.48, 76.70, -14.97
CIE LCh	52, 78.145, 348.955
Yxy	20.5739, 0.4263, 0.2243
Android (android.graphics.Color)	4293273497 (0xFFE62799)
YUV	109.1050, 21.6402, 106.0249
Hunter-Lab	45.3585, 74.5028, -10.1413

Details

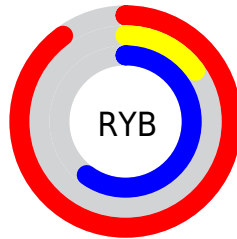
The Yxy color **20.5739, 0.4263, 0.2243** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **58.2741, 0.2768, 0.4996**, and the grayscale version is **15.2569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4901, 0.3677, 0.2319**, and **9.3943, 0.4515, 0.2261** is the 20% darker color. If you saturate the color by 10%, you get **19.1971, 0.4449, 0.2258**, and if you desaturate by 10%, it is **22.8909, 0.4075, 0.2281**.

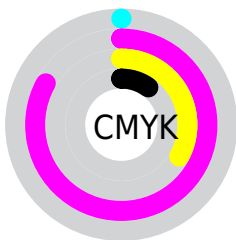
Distribution



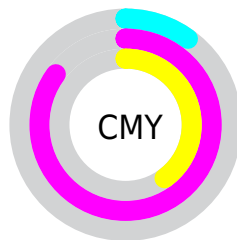
- Red (90%)
- Green (15%)
- Blue (60%)



- Red (90%)
- Yellow (15%)
- Blue (60%)



- Cyan (0%)
- Magenta (83%)
- Yellow (33%)
- Black (10%)




- Cyan (10%)
- Magenta (85%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5739, 0.4263, 0.2243 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 20.5739, 0.4263, 0.2243 by changing the saturation by 10% instead.


 20.5739, 0.4263,
0.2243


 20.5739, 0.4263,
0.2243

255.0053, 0.3648,
0.2789

 12.8129, 0.4432,
0.2102


 44.3773, 0.4028,
0.2446


 7.2998, 0.4658,
0.1918


 61.1885, 0.3943,
0.2521

 3.6503, 0.4973,
0.1673


 81.7852, 0.3873,
0.2583

 1.4799, 0.5439,
0.1334

 106.5518, 0.3814,
0.2637

 0.2745, 0.6347,
0.0600

 135.8727, 0.3763,
0.2683

 0.0000, 0.8874,
0.0000

170.1323, 0.3719,

 0.0000, 1.0000,

0.2723

0.0000

209.7151, 0.3681,
0.2758

■ 0.0000, 0.0000,
0.0000

■ 20.5739, 0.4263,
0.2243

■ 20.5739, 0.4263,
0.2243

■ 19.1971, 0.4449,
0.2258

■ 22.8909, 0.4075,
0.2281

■ 18.6319, 0.4577,
0.2295


■ 26.2888, 0.3893,
0.2365


■ 30.8881, 0.3725,
0.2484


■ 36.7920, 0.3573,
0.2626

■ 44.0928, 0.3441,
0.2781

 52.8743, 0.3327,
0.2940

 63.2136, 0.3230,
0.3096

 75.1823, 0.3149,
0.3247

 88.8478, 0.3081,
0.3388

Harmonies

Analogous

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



20.5739, 0.2802, 0.1708



20.5739, 0.4263, 0.2243



20.5739, 0.5490, 0.2954

Triad

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



20.5739, 0.4263, 0.2243



20.5739, 0.4071, 0.5609



20.5739, 0.1030, 0.1921

Complementary

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



20.5739, 0.4263, 0.2243



58.2741, 0.2768, 0.4996

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.



20.5739, 0.1194, 0.2982



20.5739, 0.4263, 0.2243



20.5739, 0.2893, 0.5938

Square

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



20.5739, 0.4263, 0.2243



20.5739, 0.5130, 0.4652



20.5739, 0.1826, 0.4739



20.5739, 0.1213, 0.1492

Rectangle

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



20.5739, 0.4263, 0.2243



20.5739, 0.5780, 0.3468



20.5739, 0.1826, 0.4739



20.5739, 0.1042, 0.2189

Sweetspot

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



20.5750, 0.4263, 0.2243



64.3044, 0.3349, 0.2906



10.8427, 0.2035, 0.0997



12.9085, 0.3389, 0.2850



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.



20.5750, 0.4263, 0.2243



23.5329, 0.4586, 0.2300



18.5822, 0.5831, 0.3176



14.5117, 0.3199, 0.3151



10.5758, 0.4549, 0.2280



0.7998, 0.4301, 0.2143

Inverse Universe

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



20.5750, 0.4263, 0.2243



23.5329, 0.4586, 0.2300



61.7093, 0.2350, 0.3549



14.5117, 0.3199, 0.3151



10.5758, 0.4549, 0.2280



0.7998, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 20.5739, 0.4263, 0.2243 looks on a white background.

Color Contrast Check

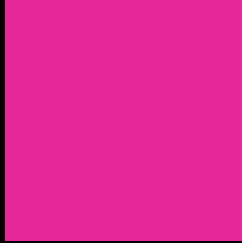
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5739, 0.4263, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

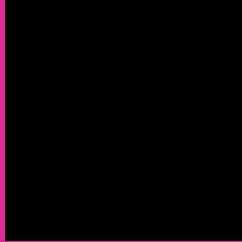
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5739, 0.4263, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 20.5739, 0.4263, 0.2243.



This preview shows how white text looks on a background with the Yxy color 20.5739, 0.4263, 0.2243.

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

20.5739, 0.4263, 0.2243

Protanopia

20.9927, 0.2128, 0.1948

Deuteranopia

20.8949, 0.2991, 0.2941



Tritanopia

20.5714, 0.5410, 0.3270

Trichromacy



Original Color

20.5739, 0.4263, 0.2243



Protanomaly

16.9911, 0.2633, 0.1864



Deuteranomaly

17.8679, 0.3427, 0.2467



Tritanomaly

20.1344, 0.5054, 0.2889

Monochromacy



Original Color

20.5739, 0.4263, 0.2243



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.5936, 0.3588, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5739, 0.4263, 0.2243 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, 39, 153)` looks like.

```
.text, #text, p{  
    color:rgb(230, 39, 153)  
}
```

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, 39, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 39, 153) }
```

Border

The CSS property to change the border of an element to Yxy 20.5739, 0.4263, 0.2243 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, 39, 153) }
```

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

```
.border{ border-color:rgb(230, 39, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 39, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 39, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 39, 153); box-shadow:4px 4px 4px 4px rgb(230, 39, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5739, 0.4263, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 39, 153) }
```

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

```
.background{ background-color: rgb(230, 39,  
153) }
```

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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