

Converting Colors

$Y_{xy}(20.3296, 0.5175, 0.2920)$

Have a look what the booklet for
Yxy(20.3296, 0.5175, 0.2920)
contains.

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Color

Yxy(20.4184, 0.5171, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	E63761
RGB	230, 55, 97
RGB Percent	90%, 22%, 38%
CMY	0.0980, 0.7843, 0.6195
CMYK	0.00, 0.76, 0.58, 0.10
HSL	346°, 78%, 56%
HSV	346°, 76%, 90%
XYZ	36.1587, 20.4184, 13.3489
YIQ	112.1130, 90.8180, 50.1620

Conversions

Conversions Part 2

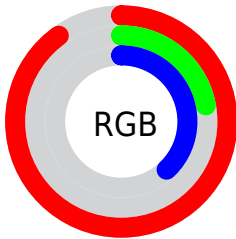
Format	Color
R_{YB}	230, 55, 97
Decimal	15087457
CIE _{Lab}	52.31, 67.87, 18.42
CIE _{LCh}	52, 70.322, 15.181
Yxy	20.4184, 0.5171, 0.2920
Android (android.graphics.Color)	4293277537 (0xFFE63761)
YUV	112.1130, -7.4507, 103.3869
Hunter-Lab	45.1867, 63.7602, 14.1155

Details

The Yxy color **20.4184, 0.5171, 0.2920** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **61.0386, 0.2476, 0.3881**, and the grayscale version is **16.2412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0892, 0.4379, 0.2989**, and **8.4545, 0.5725, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **18.4292, 0.5556, 0.2961**, and if you desaturate by 10%, it is **23.4990, 0.4773, 0.2919**.

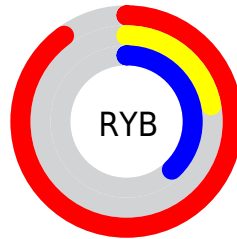
Distribution



Red (90%)

Green (22%)

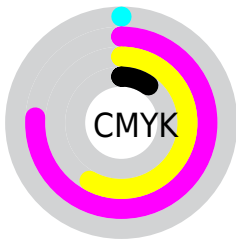
Blue (38%)



Red (90%)

Yellow (22%)

Blue (38%)

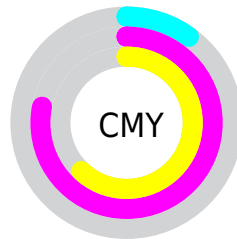


Cyan (0%)

Magenta (76%)

Yellow (58%)

Black (10%)



Cyan (10%)


Magenta (78%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4184, 0.5171, 0.2920 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 20.4184, 0.5171, 0.2920 by changing the saturation by 10% instead.


 20.4184, 0.5171,
0.2920


 20.4184, 0.5171,
0.2920


254.1712, 0.4015,
0.3178

 12.6995, 0.5500,
0.2824


 44.1176, 0.4720,
0.3035


 7.2220, 0.5940,
0.2681


 60.8666, 0.4559,
0.3072

 3.6013, 0.6547,
0.2452

 81.3946, 0.4428,
0.3100

 1.4531, 0.7594,
0.2120

 106.0858, 0.4318,
0.3123

 0.2554, 0.9040,
0.0960

 135.3247, 0.4224,
0.3141

 0.0000, 1.0000,
0.0000

169.4956, 0.4145,

 0.0000, 0.0000,

0.3156

0.0000

208.9830, 0.4076,
0.3168

■ 20.4184, 0.5171,
0.2920

■ 20.4184, 0.5171,
0.2920

■ 18.4292, 0.5556,
0.2961

■ 23.4990, 0.4773,
0.2919

■ 17.3676, 0.5883,
0.3041


■ 27.7967, 0.4398,
0.2949


■ 17.1017, 0.5993,
0.3075

■ 33.4240, 0.4066,
0.3000


■ 40.4795, 0.3784,
0.3062

■ 49.0523, 0.3551,
0.3127

 59.2242, 0.3361,
0.3192

 71.0714, 0.3206,
0.3254

 84.6647, 0.3081,
0.3312

 95.5201, 0.2979,
0.3296

Harmonies

Analogous

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



20.4184, 0.3992, 0.2252



20.4184, 0.5171, 0.2920



20.4184, 0.5564, 0.3670

Triad

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



20.4184, 0.5171, 0.2920



20.4184, 0.3101, 0.5694



20.4184, 0.1298, 0.1650

Complementary

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



20.4184, 0.5171, 0.2920



61.0386, 0.2476, 0.3881

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.



20.4184, 0.1166, 0.2133



20.4184, 0.5171, 0.2920



20.4184, 0.2064, 0.4774

Square

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



20.4184, 0.5171, 0.2920



20.4184, 0.4197, 0.5359



20.4184, 0.1389, 0.3209



20.4184, 0.1780, 0.1561

Rectangle

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



20.4184, 0.5171, 0.2920



20.4184, 0.5340, 0.4218



20.4184, 0.1389, 0.3209



20.4184, 0.1218, 0.1759

Sweetspot

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



20.4196, 0.5171, 0.2920



65.5726, 0.3491, 0.3147



18.9168, 0.2735, 0.1439



13.0975, 0.3566, 0.3123



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.



20.4196, 0.5171, 0.2920



22.4304, 0.5743, 0.3000



25.9763, 0.5366, 0.3691



14.4244, 0.3255, 0.3234



9.6976, 0.5955, 0.3054



0.7310, 0.5543, 0.2827

Inverse Universe

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



20.4196, 0.5171, 0.2920



22.4304, 0.5743, 0.3000



41.7504, 0.2140, 0.2670



14.4244, 0.3255, 0.3234



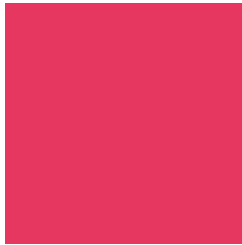
9.6976, 0.5955, 0.3054



0.7310, 0.5543, 0.2827

Previews

White Background



This preview shows how the Yxy color 20.4184, 0.5171, 0.2920 looks on a white background.

Color Contrast Check

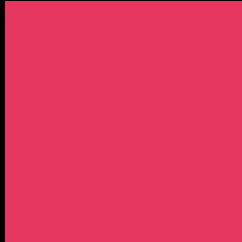
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4184, 0.5171, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

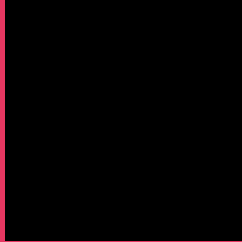
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4184, 0.5171, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 20.4184, 0.5171, 0.2920.



This preview shows how white text looks on a background with the Yxy color 20.4184, 0.5171, 0.2920.

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

20.4184, 0.5171, 0.2920

Protanopia

20.7146, 0.3084, 0.3199

Deuteranopia

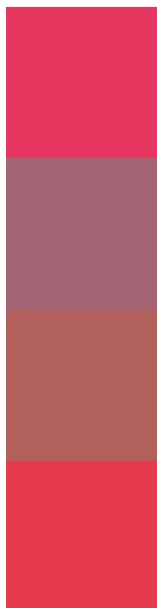
20.5271, 0.3902, 0.3837



Tritanopia

20.4849, 0.5591, 0.3273

Trichromacy



Original Color

20.4184, 0.5171, 0.2920

Protanomaly

18.3149, 0.3799, 0.3007

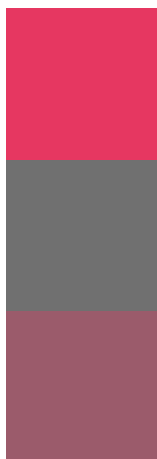
Deuteranomaly

18.5861, 0.4425, 0.3366

Tritanomaly

20.3218, 0.5449, 0.3145

Monochromacy



Original Color

20.4184, 0.5171, 0.2920

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5123, 0.3883, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4184, 0.5171, 0.2920 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, 55, 97)` looks like.

```
.text, #text, p{  
    color:rgb(230, 55, 97)  
}
```

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, 55, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 55, 97) }
```

Border

The CSS property to change the border of an element to Yxy 20.4184, 0.5171, 0.2920 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, 55, 97) }
```

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

```
.border{ border-color:rgb(230, 55, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 55, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 55, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 55, 97);  
box-shadow:4px 4px 4px 4px rgb(230, 55,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4184, 0.5171, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 55, 97) }
```

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

```
.background{ background-color: rgb(230, 55,  
97) }
```

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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