

Converting Colors

$Yxy(20.5870, 0.4828, 0.2699)$

Have a look what the booklet for
Yxy(20.5870, 0.4828, 0.2699)
contains.

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Color

Yxy(20.5807, 0.4830, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	E53675
RGB	229, 54, 117
RGB Percent	90%, 21%, 46%
CMY	0.1019, 0.7882, 0.5412
CMYK	0.00, 0.76, 0.49, 0.10
HSL	338°, 77%, 55%
HSV	338°, 76%, 90%
XYZ	36.8439, 20.5807, 18.8567
YIQ	113.5070, 84.0770, 56.6930

Conversions

Conversions Part 2

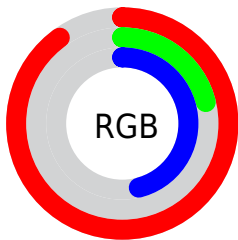
Format	Color
R_{YB}	229, 54, 117
Decimal	15021685
CIE _{Lab}	52.49, 69.36, 6.60
CIE _{LCh}	52, 69.677, 5.437
Yxy	20.5807, 0.4830, 0.2698
Android (android.graphics.Color)	4293211765 (0xFFE53675)
YUV	113.5070, 1.7220, 101.2874
Hunter-Lab	45.3660, 65.5780, 7.1118

Details

The Yxy color **20.5807, 0.4830, 0.2698** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **59.5798, 0.2571, 0.4205**, and the grayscale version is **16.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6154, 0.4109, 0.2753**, and **8.6452, 0.5306, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **18.6102, 0.5163, 0.2728**, and if you desaturate by 10%, it is **23.6099, 0.4499, 0.2717**.

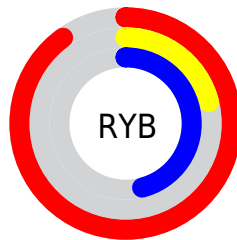
Distribution



Red (90%)

Green (21%)

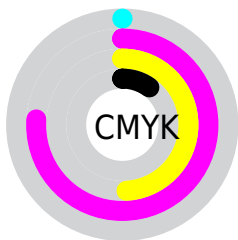
Blue (46%)



Red (90%)

Yellow (21%)

Blue (46%)

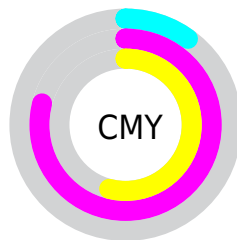


Cyan (0%)

Magenta (76%)

Yellow (49%)

Black (10%)



Cyan (10%)

Magenta (79%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5807, 0.4830, 0.2698 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 20.5807, 0.4830, 0.2698 by changing the saturation by 10% instead.


 20.5807, 0.4830,
0.2698


 20.5807, 0.4830,
0.2698


255.0417, 0.3871,
0.3047


 12.8179, 0.5106,
0.2591


 44.3887, 0.4454,
0.2839

 7.3032, 0.5482,
0.2441


 61.2025, 0.4321,
0.2887

 3.6525, 0.6016,
0.2219

 81.8022, 0.4212,
0.2927

 1.4811, 0.6810,
0.1870

 106.5722, 0.4121,
0.2959

 0.2754, 0.9014,
0.0986

 135.8967, 0.4044,
0.2986

 0.0000, 1.0000,
0.0000

170.1601, 0.3978,

 0.0000, 0.0000,

0.3010

0.0000

209.7470, 0.3921,
0.3029

■ 20.5807, 0.4830,
0.2698

■ 20.5807, 0.4830,
0.2698

■ 18.6102, 0.5163,
0.2728

■ 23.6099, 0.4499,
0.2717

■ 17.5361, 0.5470,
0.2809

■ 27.8212, 0.4192,
0.2772


■ 17.2744, 0.5573,
0.2844

■ 33.3244, 0.3919,
0.2852


■ 40.2158, 0.3686,
0.2945

■ 48.5825, 0.3491,
0.3043

 58.5042, 0.3331,
0.3140

 70.0551, 0.3199,
0.3233

 83.3045, 0.3091,
0.3320

 95.0131, 0.3003,
0.3351

Harmonies

Analogous

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



20.5807, 0.3544, 0.2081



20.5807, 0.4830, 0.2698



20.5807, 0.5515, 0.3423

Triad

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



20.5807, 0.4830, 0.2698



20.5807, 0.3466, 0.5670



20.5807, 0.1234, 0.1770

Complementary

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



20.5807, 0.4830, 0.2698



59.5798, 0.2571, 0.4205

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.



20.5807, 0.1212, 0.2419



20.5807, 0.4830, 0.2698



20.5807, 0.2387, 0.5186

Square

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



20.5807, 0.4830, 0.2698



20.5807, 0.4521, 0.5090



20.5807, 0.1572, 0.3694



20.5807, 0.1594, 0.1570

Rectangle

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



20.5807, 0.4830, 0.2698



20.5807, 0.5469, 0.3947



20.5807, 0.1572, 0.3694



20.5807, 0.1190, 0.1927

Sweetspot

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



20.5819, 0.4830, 0.2698



65.9316, 0.3435, 0.3075



16.2784, 0.2519, 0.1325



13.1829, 0.3498, 0.3040



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.



20.5819, 0.4830, 0.2698



22.7910, 0.5356, 0.2772



22.2807, 0.5585, 0.3489



14.4533, 0.3236, 0.3206



9.8972, 0.5533, 0.2821



0.7487, 0.5129, 0.2599

Inverse Universe

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



20.5819, 0.4830, 0.2698



22.7910, 0.5356, 0.2772



50.4267, 0.2216, 0.2967



14.4533, 0.3236, 0.3206



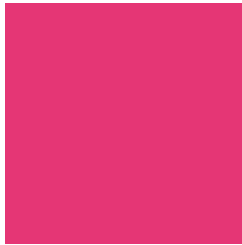
9.8972, 0.5533, 0.2821



0.7487, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 20.5807, 0.4830, 0.2698 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 20.5807, 0.4830, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

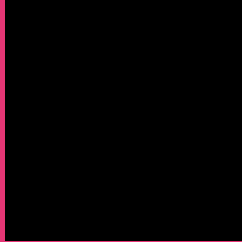
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5807, 0.4830, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 20.5807, 0.4830, 0.2698.



This preview shows how white text looks on a background with the Yxy color 20.5807, 0.4830, 0.2698.

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

20.5807, 0.4830, 0.2698

Protanopia

20.9191, 0.2733, 0.2748

Deuteranopia

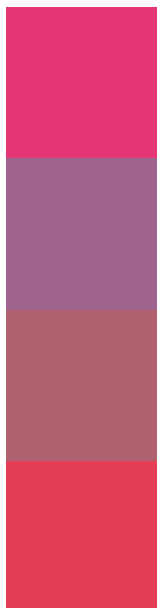
20.7082, 0.3566, 0.3500



Tritanopia

20.4949, 0.5488, 0.3271

Trichromacy



Original Color

20.5807, 0.4830, 0.2698

Protanomaly

18.1458, 0.3376, 0.2613

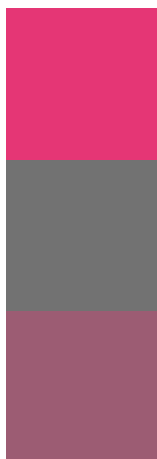
Deuteranomaly

18.8332, 0.4054, 0.3069

Tritanomaly

20.4480, 0.5281, 0.3078

Monochromacy



Original Color

20.5807, 0.4830, 0.2698

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.9600, 0.3765, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5807, 0.4830, 0.2698 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(229, 54, 117)` looks like.

```
.text, #text, p{  
    color:rgb(229, 54, 117)  
}
```

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(229, 54, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 54, 117) }
```

Border

The CSS property to change the border of an element to Yxy 20.5807, 0.4830, 0.2698 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(229, 54, 117) }
```

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

```
.border{ border-color:rgb(229, 54, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 54, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 54, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 54, 117);  
box-shadow:4px 4px 4px 4px rgb(229, 54,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5807, 0.4830, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 54, 117) }
```

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

```
.background{ background-color: rgb(229, 54,  
117) }
```

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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