

Converting Colors

$Y_{xy}(20.6893, 0.4859, 0.2588)$

Have a look what the booklet for
Yxy(20.6893, 0.4859, 0.2588)
contains.

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Color

Yxy(20.6890, 0.4861, 0.2590)

Conversions

Conversions Part 1

Format	Color
Hex	EC277A
RGB	236, 39, 122
RGB Percent	93%, 15%, 48%
CMY	0.0745, 0.8470, 0.5215
CMYK	0.00, 0.83, 0.48, 0.07
HSL	335°, 84%, 54%
HSV	335°, 83%, 93%
XYZ	38.8298, 20.6890, 20.3615
YIQ	107.3650, 90.7690, 67.5770

Conversions

Conversions Part 2

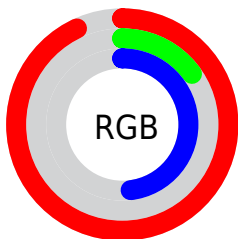
Format	Color
R_{YB}	236, 39, 122
Decimal	15476602
CIE _{Lab}	52.61, 75.28, 3.92
CIE _{LCh}	53, 75.385, 2.980
Yxy	20.6890, 0.4861, 0.2590
Android (android.graphics.Color)	4293666682 (0xFFEC277A)
YUV	107.3650, 7.2151, 112.8129
Hunter-Lab	45.4852, 72.7830, 5.2984

Details

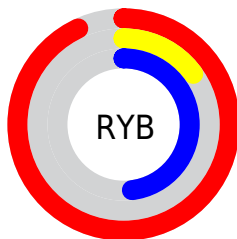
The Yxy color **20.6890, 0.4861, 0.2590** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **62.7207, 0.2620, 0.4492**, and the grayscale version is **14.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0411, 0.4071, 0.2630**, and **9.4931, 0.5264, 0.2673** is the 20% darker color. If you saturate the color by 10%, you get **19.2761, 0.5150, 0.2648**, and if you desaturate by 10%, it is **23.1139, 0.4562, 0.2587**.

Distribution



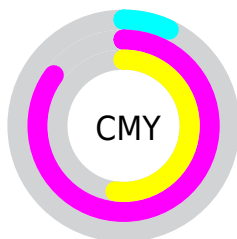
- Red (93%)
- Green (15%)
- Blue (48%)



- Red (93%)
- Yellow (15%)
- Blue (48%)



- Cyan (0%)
- Magenta (83%)
- Yellow (48%)
- Black (7%)




- Cyan (7%)
- Magenta (85%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6890, 0.4861, 0.2590 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 20.6890, 0.4861, 0.2590 by changing the saturation by 10% instead.


 20.6890, 0.4861,
0.2590


 20.6890, 0.4861,
0.2590


255.6211, 0.3890,
0.2991


 12.8969, 0.5138,
0.2472


 44.5694, 0.4482,
0.2749


 7.3576, 0.5513,
0.2309


 61.4264, 0.4348,
0.2805

 3.6867, 0.6042,
0.2075

 82.0738, 0.4237,
0.2850

 1.4999, 0.6822,
0.1718

 106.8961, 0.4145,
0.2888

 0.2887, 0.8968,
0.0906

 136.2775, 0.4066,
0.2920

 0.0000, 1.0000,
0.0000

170.6026, 0.3999,

 0.0000, 0.0000,

0.2947

0.0000

210.2556, 0.3941,
0.2971

■ 20.6890, 0.4861,
0.2590

■ 20.6890, 0.4861,
0.2590

■ 19.2761, 0.5150,
0.2648

■ 23.1139, 0.4562,
0.2587

■ 18.7411, 0.5328,
0.2709


■ 26.7039, 0.4273,
0.2630


■ 31.5898, 0.4009,
0.2709


■ 37.8834, 0.3777,
0.2809

■ 45.6847, 0.3579,
0.2921

 55.0842, 0.3413,
0.3035

 66.1653, 0.3275,
0.3148

 79.0058, 0.3161,
0.3255

 93.6783, 0.3068,
0.3355

Harmonies

Analogous

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



20.6890, 0.3450, 0.1964



20.6890, 0.4861, 0.2590



20.6890, 0.5660, 0.3330

Triad

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



20.6890, 0.4861, 0.2590



20.6890, 0.3536, 0.5824



20.6890, 0.1123, 0.1709

Complementary

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



20.6890, 0.4861, 0.2590



62.7207, 0.2620, 0.4492

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.



20.6890, 0.1120, 0.2426



20.6890, 0.4861, 0.2590



20.6890, 0.2399, 0.5466

Square

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



20.6890, 0.4861, 0.2590



20.6890, 0.4646, 0.5088



20.6890, 0.1517, 0.3855



20.6890, 0.1463, 0.1479

Rectangle

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



20.6890, 0.4861, 0.2590



20.6890, 0.5637, 0.3864



20.6890, 0.1517, 0.3855



20.6890, 0.1084, 0.1881

Sweetspot

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



20.6902, 0.4861, 0.2590



63.6983, 0.3438, 0.3017



14.0537, 0.2319, 0.1141



12.7644, 0.3495, 0.2976



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.



20.6902, 0.4861, 0.2590



22.3306, 0.5338, 0.2714



20.4488, 0.5972, 0.3374



15.1594, 0.3227, 0.3191



10.3554, 0.5287, 0.2686



0.8320, 0.4931, 0.2490

Inverse Universe

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



20.6902, 0.4861, 0.2590



22.3306, 0.5338, 0.2714



59.1907, 0.2227, 0.3114



15.1594, 0.3227, 0.3191



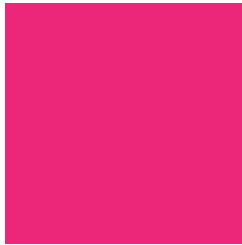
10.3554, 0.5287, 0.2686



0.8320, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 20.6890, 0.4861, 0.2590 looks on a white background.

Color Contrast Check

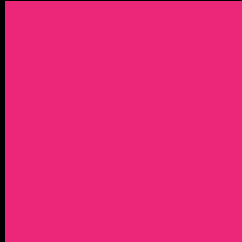
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6890, 0.4861, 0.2590 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 20.6890, 0.4861, 0.2590

Background



This preview shows how black text looks on a background with the Yxy color 20.6890, 0.4861, 0.2590.



This preview shows how white text looks on a background with the Yxy color 20.6890, 0.4861, 0.2590.

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

20.6890, 0.4861, 0.2590

Protanopia

21.1092, 0.2582, 0.2543

Deuteranopia

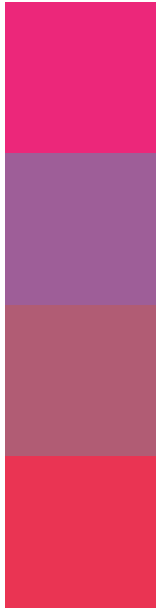
20.9510, 0.3500, 0.3448



Tritanopia

20.7885, 0.5686, 0.3283

Trichromacy



Original Color

20.6890, 0.4861, 0.2590

Protanomaly

17.5415, 0.3250, 0.2398

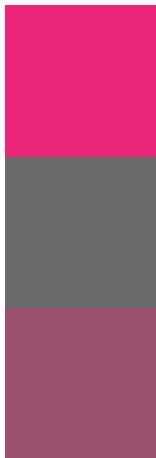
Deuteranomaly

18.2624, 0.4044, 0.2941

Tritanomaly

20.5729, 0.5439, 0.3047

Monochromacy



Original Color

20.6890, 0.4861, 0.2590

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.0745, 0.3825, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6890, 0.4861, 0.2590 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(236, 39, 122)` looks like.

```
.text, #text, p{  
  color:rgb(236, 39, 122)  
}
```

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(236, 39, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 39, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.6890, 0.4861, 0.2590 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(236, 39, 122) }
```

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

```
.border{ border-color:rgb(236, 39, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 39, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 39, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 39, 122);  
box-shadow:4px 4px 4px 4px rgb(236, 39,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6890, 0.4861, 0.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 39, 122) }
```

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

```
.background{ background-color: rgb(236, 39,  
122) }
```

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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