

Converting Colors

$Y_{xy}(20.6611, 0.5208, 0.2800)$

Have a look what the booklet for
Yxy(20.6611, 0.5208, 0.2800)
contains.

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Color

Yxy(20.6740, 0.5203, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	EE2867
RGB	238, 40, 103
RGB Percent	93%, 16%, 40%
CMY	0.0666, 0.8433, 0.5961
CMYK	0.00, 0.83, 0.57, 0.07
HSL	341°, 85%, 55%
HSV	341°, 83%, 93%
XYZ	38.4717, 20.6740, 14.7957
YIQ	106.3840, 97.7850, 61.5690

Conversions

Conversions Part 2

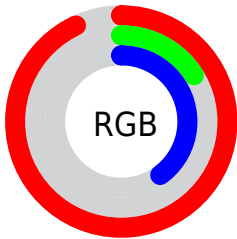
Format	Color
R _Y B	238, 40, 103
Decimal	15607911
CIE Lab	52.59, 74.21, 15.44
CIE LCh	53, 75.799, 11.751
Yxy	20.6740, 0.5203, 0.2796
Android (android.graphics.Color)	4293797991 (0xFFEE2867)
YUV	106.3840, -1.6683, 115.4272
Hunter-Lab	45.4687, 71.4612, 12.5349

Details

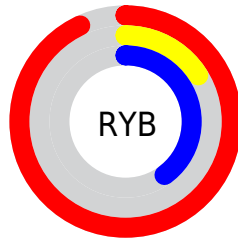
The Yxy color **20.6740, 0.5203, 0.2796** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **64.7048, 0.2531, 0.4178**, and the grayscale version is **14.5048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3182, 0.4327, 0.2832**, and **9.4094, 0.5659, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **19.2404, 0.5536, 0.2866**, and if you desaturate by 10%, it is **23.1589, 0.4845, 0.2775**.

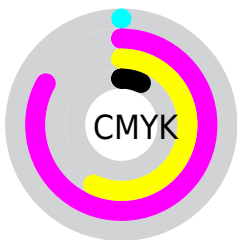
Distribution



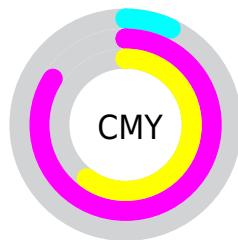
- Red (93%)
- Green (16%)
- Blue (40%)



- Red (93%)
- Yellow (16%)
- Blue (40%)



- Cyan (0%)
- Magenta (83%)
- Yellow (57%)
- Black (7%)




- Cyan (7%)
- Magenta (84%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6740, 0.5203, 0.2796 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 20.6740, 0.5203, 0.2796 by changing the saturation by 10% instead.


 20.6740, 0.5203,
0.2796


 20.6740, 0.5203,
0.2796


255.5409, 0.4034,
0.3116


 12.8859, 0.5533,
0.2688


 44.5443, 0.4748,
0.2932


 7.3500, 0.5974,
0.2530


 61.3954, 0.4586,
0.2977

 3.6820, 0.6581,
0.2290

 82.0362, 0.4453,
0.3013

 1.4973, 0.7515,
0.1922

 106.8512, 0.4342,
0.3042

 0.2868, 0.9070,
0.0930

 136.2248, 0.4247,
0.3065

 0.0000, 1.0000,
0.0000

170.5413, 0.4166,

 0.0000, 0.0000,

0.3085

0.0000

210.1852, 0.4096,
0.3102

■ 20.6740, 0.5203,
0.2796

■ 20.6740, 0.5203,
0.2796

■ 19.2404, 0.5536,
0.2866

■ 23.1589, 0.4845,
0.2775

■ 18.6987, 0.5736,
0.2934


■ 26.8522, 0.4493,
0.2798


■ 31.8880, 0.4172,
0.2853


■ 38.3816, 0.3891,
0.2927

■ 46.4359, 0.3653,
0.3012

 56.1442, 0.3457,
0.3099

 67.5925, 0.3295,
0.3184

 80.8610, 0.3164,
0.3265

 96.0246, 0.3057,
0.3340

Harmonies

Analogous

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



20.6740, 0.3878, 0.2122



20.6740, 0.5203, 0.2796



20.6740, 0.5714, 0.3556

Triad

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



20.6740, 0.5203, 0.2796



20.6740, 0.3195, 0.5894



20.6740, 0.1179, 0.1594

Complementary

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



20.6740, 0.5203, 0.2796



64.7048, 0.2531, 0.4178

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.



20.6740, 0.1078, 0.2143



20.6740, 0.5203, 0.2796



20.6740, 0.2092, 0.5083

Square

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



20.6740, 0.5203, 0.2796



20.6740, 0.4338, 0.5361



20.6740, 0.1343, 0.3364



20.6740, 0.1628, 0.1470

Rectangle

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



20.6740, 0.5203, 0.2796



20.6740, 0.5515, 0.4115



20.6740, 0.1343, 0.3364



20.6740, 0.1109, 0.1720

Sweetspot

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



20.6752, 0.5203, 0.2796



63.3610, 0.3491, 0.3083



16.4606, 0.2516, 0.1247



12.6849, 0.3558, 0.3052



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.



20.6752, 0.5203, 0.2796



21.8565, 0.5746, 0.2939



23.0955, 0.5799, 0.3522



15.8417, 0.3243, 0.3215



10.4510, 0.5696, 0.2911



0.8868, 0.5324, 0.2707

Inverse Universe

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



20.6752, 0.5203, 0.2796



21.8565, 0.5746, 0.2939



50.2922, 0.2155, 0.2841



15.8417, 0.3243, 0.3215



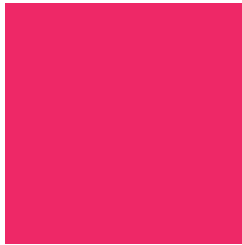
10.4510, 0.5696, 0.2911



0.8868, 0.5324, 0.2707

Previews

White Background



This preview shows how the Yxy color 20.6740, 0.5203, 0.2796 looks on a white background.

Color Contrast Check

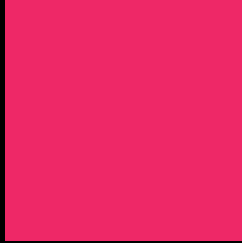
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6740, 0.5203, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

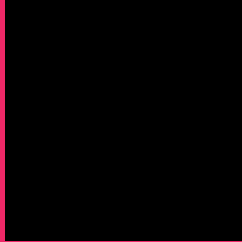
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6740, 0.5203, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 20.6740, 0.5203, 0.2796.

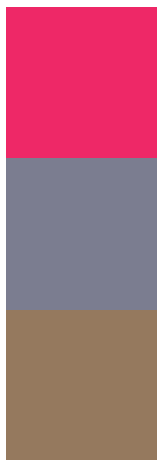


This preview shows how white text looks on a background with the Yxy color 20.6740, 0.5203, 0.2796.

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

20.6740, 0.5203, 0.2796

Protanopia

20.8918, 0.2902, 0.2952

Deuteranopia

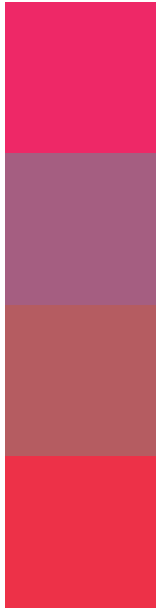
20.8725, 0.3821, 0.3752



Tritanopia

20.7470, 0.5806, 0.3291

Trichromacy



Original Color

20.6740, 0.5203, 0.2796

Protanomaly

17.5897, 0.3669, 0.2748

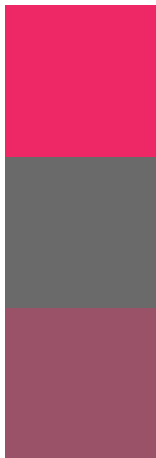
Deuteranomaly

18.3411, 0.4400, 0.3223

Tritanomaly

20.6690, 0.5633, 0.3131

Monochromacy



Original Color

20.6740, 0.5203, 0.2796

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.9245, 0.3946, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6740, 0.5203, 0.2796 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(238, 40, 103)` looks like.

```
.text, #text, p{  
  color:rgb(238, 40, 103)  
}
```

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(238, 40, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 40, 103) }
```

Border

The CSS property to change the border of an element to Yxy 20.6740, 0.5203, 0.2796 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(238, 40, 103) }
```

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

```
.border{ border-color:rgb(238, 40, 103) }
```

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

Here you see how a box with a 4 pixel rgb(238, 40, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 40, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 40, 103);  
box-shadow:4px 4px 4px 4px rgb(238, 40,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6740, 0.5203, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 40, 103) }
```

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

```
.background{ background-color: rgb(238, 40,  
103) }
```

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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