

Converting Colors

$Y_{xy}(20.5677, 0.5061, 0.2745)$

Have a look what the booklet for
Yxy(20.5677, 0.5061, 0.2745)
contains.

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Color

Yxy(20.5677, 0.5061, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	EB2C6D
RGB	235, 44, 109
RGB Percent	92%, 17%, 43%
CMY	0.0784, 0.8273, 0.5725
CMYK	0.00, 0.81, 0.54, 0.08
HSL	340°, 83%, 55%
HSV	340°, 81%, 92%
XYZ	37.9210, 20.5677, 16.4392
YIQ	108.5190, 92.9710, 60.7070

Conversions

Conversions Part 2

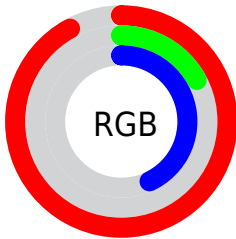
Format	Color
R_{YB}	235, 44, 109
Decimal	15412333
CIE Lab	52.47, 72.94, 11.56
CIE LCh	52, 73.855, 9.005
Yxy	20.5677, 0.5061, 0.2745
Android (android.graphics.Color)	4293602413 (0xFFEB2C6D)
YUV	108.5190, 0.2371, 110.9238
Hunter-Lab	45.3516, 69.8883, 10.2545

Details

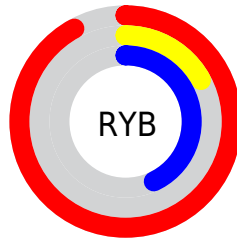
The Yxy color **20.5677, 0.5061, 0.2745** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **62.8534, 0.2550, 0.4218**, and the grayscale version is **15.1333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9499, 0.4242, 0.2789**, and **9.1185, 0.5523, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **18.9797, 0.5393, 0.2803**, and if you desaturate by 10%, it is **23.2066, 0.4714, 0.2737**.

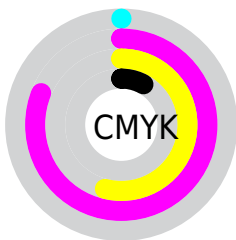
Distribution



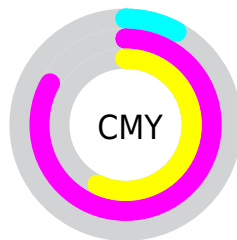
- Red (92%)
- Green (17%)
- Blue (43%)



- Red (92%)
- Yellow (17%)
- Blue (43%)



- Cyan (0%)
- Magenta (81%)
- Yellow (54%)
- Black (8%)



- Cyan (8%)
- Magenta (83%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5677, 0.5061, 0.2745 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 20.5677, 0.5061, 0.2745 by changing the saturation by 10% instead.


 20.5677, 0.5061,
0.2745


 20.5677, 0.5061,
0.2745


254.9720, 0.3971,
0.3082

 12.8084, 0.5372,
0.2636


 44.3669, 0.4636,
0.2885

 7.2967, 0.5791,
0.2481


 61.1757, 0.4484,
0.2932


 3.6484, 0.6376,
0.2247

 81.7696, 0.4360,
0.2970

 1.4789, 0.7238,
0.1879

 106.5332, 0.4257,
0.3000

 0.2738, 0.9079,
0.0921

 135.8509, 0.4169,
0.3026

 0.0000, 1.0000,
0.0000

170.1070, 0.4094,

 0.0000, 0.0000,

0.3047

0.0000

209.6859, 0.4028,
0.3066

■ 20.5677, 0.5061,
0.2745

■ 20.5677, 0.5061,
0.2745

■ 18.9797, 0.5393,
0.2803

■ 23.2066, 0.4714,
0.2737


■ 18.2399, 0.5653,
0.2888

■ 27.0417, 0.4381,
0.2772

■ 32.1988, 0.4079,
0.2837

■ 38.7865, 0.3817,
0.2920

■ 46.9023, 0.3596,
0.3011

 56.6349, 0.3413,
0.3104

 68.0664, 0.3263,
0.3194

 81.2729, 0.3141,
0.3280

 95.9922, 0.3041,
0.3354

Harmonies

Analogous

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



20.5677, 0.3732, 0.2091



20.5677, 0.5061, 0.2745



20.5677, 0.5659, 0.3494

Triad

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



20.5677, 0.5061, 0.2745



20.5677, 0.3312, 0.5827



20.5677, 0.1186, 0.1654

Complementary

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



20.5677, 0.5061, 0.2745



62.8534, 0.2550, 0.4218

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.



20.5677, 0.1118, 0.2250



20.5677, 0.5061, 0.2745



20.5677, 0.2209, 0.5164

Square

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



20.5677, 0.5061, 0.2745



20.5677, 0.4428, 0.5252



20.5677, 0.1425, 0.3513



20.5677, 0.1597, 0.1498

Rectangle

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



20.5677, 0.5061, 0.2745



20.5677, 0.5522, 0.4039



20.5677, 0.1425, 0.3513



20.5677, 0.1127, 0.1793

Sweetspot

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



20.5689, 0.5061, 0.2745



64.6415, 0.3462, 0.3078



16.1433, 0.2501, 0.1259



12.9331, 0.3527, 0.3044



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.



20.5689, 0.5061, 0.2745



22.1110, 0.5607, 0.2873



22.5656, 0.5755, 0.3502



15.1386, 0.3239, 0.3210



10.1732, 0.5611, 0.2865



0.8163, 0.5223, 0.2651

Inverse Universe

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



20.5689, 0.5061, 0.2745



22.1110, 0.5607, 0.2873



50.8455, 0.2177, 0.2898



15.1386, 0.3239, 0.3210



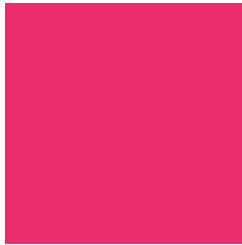
10.1732, 0.5611, 0.2865



0.8163, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 20.5677, 0.5061, 0.2745 looks on a white background.

Color Contrast Check

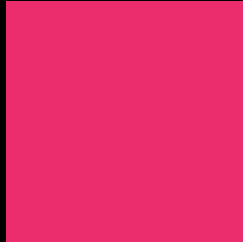
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5677, 0.5061, 0.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

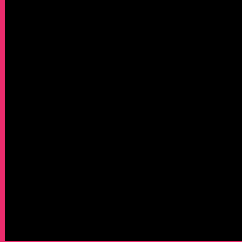
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5677, 0.5061, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 20.5677, 0.5061, 0.2745.



This preview shows how white text looks on a background with the Yxy color 20.5677, 0.5061, 0.2745.

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

20.5677, 0.5061, 0.2745

Protanopia

20.9342, 0.2821, 0.2850

Deuteranopia

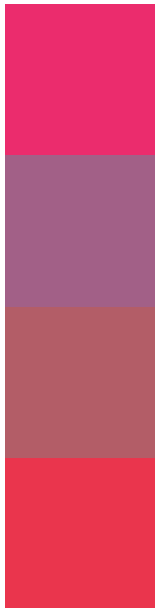
20.7979, 0.3719, 0.3654



Tritanopia

20.6655, 0.5717, 0.3290

Trichromacy



Original Color

20.5677, 0.5061, 0.2745

Protanomaly

17.7964, 0.3534, 0.2681

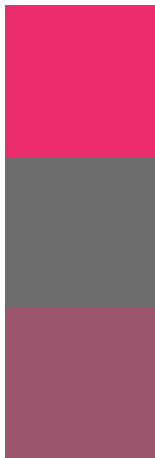
Deuteranomaly

18.3917, 0.4272, 0.3149

Tritanomaly

20.5745, 0.5522, 0.3109

Monochromacy



Original Color

20.5677, 0.5061, 0.2745

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5697, 0.3878, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5677, 0.5061, 0.2745 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(235, 44, 109)` looks like.

```
.text, #text, p{  
    color:rgb(235, 44, 109)  
}
```

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(235, 44, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 44, 109) }
```

Border

The CSS property to change the border of an element to Yxy 20.5677, 0.5061, 0.2745 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(235, 44, 109) }
```

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

```
.border{ border-color:rgb(235, 44, 109) }
```

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

Here you see how a box with a 4 pixel rgb(235, 44, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 44, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 44, 109);  
box-shadow:4px 4px 4px 4px rgb(235, 44,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5677, 0.5061, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 44, 109) }
```

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

```
.background{ background-color: rgb(235, 44,  
109) }
```

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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