

Converting Colors

$Y_{xy}(18.1761, 0.5234, 0.2854)$

Have a look what the booklet for
Yxy(18.1761, 0.5234, 0.2854)
contains.

Yxy(18.1342, 0.5236, 0.2857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.1342, 0.5236, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	DF2A5D
RGB	223, 42, 93
RGB Percent	87%, 16%, 36%
CMY	0.1255, 0.8352, 0.6353
CMYK	0.00, 0.81, 0.58, 0.13
HSL	343°, 74%, 52%
HSV	343°, 81%, 87%
XYZ	33.2344, 18.1342, 12.1043
YIQ	101.9330, 91.5050, 54.2330

Conversions

Conversions Part 2

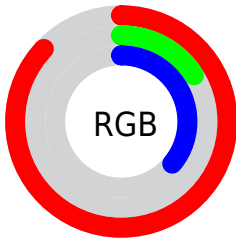
Format	Color
R_{YB}	223, 42, 93
Decimal	14625373
CIE _{Lab}	49.66, 69.24, 17.04
CIE _{LCh}	50, 71.306, 13.824
Yxy	18.1342, 0.5236, 0.2857
Android (android.graphics.Color)	4292815453 (0xFFDF2A5D)
YUV	101.9330, -4.4040, 106.1758
Hunter-Lab	42.5843, 64.7858, 12.9562

Details

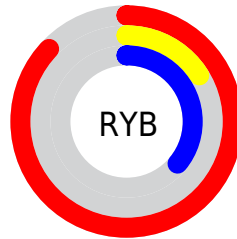
The Yxy color **18.1342, 0.5236, 0.2857** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **56.2455, 0.2501, 0.4044**, and the grayscale version is **13.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7586, 0.4474, 0.2935**, and **7.7905, 0.5744, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **16.7136, 0.5589, 0.2918**, and if you desaturate by 10%, it is **20.4952, 0.4859, 0.2842**.

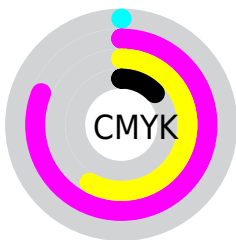
Distribution



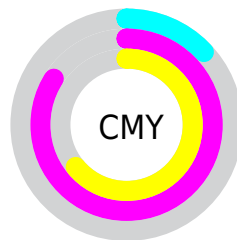
- Red (87%)
- Green (16%)
- Blue (36%)



- Red (87%)
- Yellow (16%)
- Blue (36%)



- Cyan (0%)
- Magenta (81%)
- Yellow (58%)
- Black (13%)




- Cyan (13%)
- Magenta (84%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1342, 0.5236, 0.2857 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 18.1342, 0.5236, 0.2857 by changing the saturation by 10% instead.


 18.1342, 0.5236,
0.2857


 18.1342, 0.5236,
0.2857


241.6264, 0.4025,
0.3154


 11.0464, 0.5588,
0.2748


 40.2659, 0.4758,
0.2989


 6.0980, 0.6064,
0.2583

 56.0785, 0.4590,
0.3031


 2.9048, 0.6727,
0.2319

 75.5682, 0.4452,
0.3063

 1.0822, 0.8034,
0.1966

 99.1193, 0.4338,
0.3089

 0.0000, 1.0000,
0.0000

 127.1163, 0.4241,
0.3110

 0.0000, 0.0000,
0.0000

159.9436, 0.4159,

0.3127

197.9855, 0.4087,
0.3142

■ 18.1342, 0.5236,
0.2857

■ 18.1342, 0.5236,
0.2857

■ 16.7136, 0.5589,
0.2918

■ 20.4952, 0.4859,
0.2842


■ 16.0442, 0.5856,
0.3000

■ 23.9244, 0.4493,
0.2865


■ 28.5328, 0.4161,
0.2917

■ 34.4165, 0.3874,
0.2985

■ 41.6616, 0.3633,
0.3060

 50.3468, 0.3434,
0.3137

 60.5447, 0.3272,
0.3212

 72.3230, 0.3141,
0.3282

 85.7452, 0.3034,
0.3347

Harmonies

Analogous

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



18.1342, 0.3968, 0.2179



18.1342, 0.5236, 0.2857



18.1342, 0.5676, 0.3618

Triad

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



18.1342, 0.5236, 0.2857



18.1342, 0.3124, 0.5843



18.1342, 0.1219, 0.1596

Complementary

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



18.1342, 0.5236, 0.2857



56.2455, 0.2501, 0.4044

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.



18.1342, 0.1097, 0.2107



18.1342, 0.5236, 0.2857



18.1342, 0.2045, 0.4940

Square

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



18.1342, 0.5236, 0.2857



18.1342, 0.4258, 0.5398



18.1342, 0.1335, 0.3260



18.1342, 0.1693, 0.1495

Rectangle

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



18.1342, 0.5236, 0.2857



18.1342, 0.5448, 0.4178



18.1342, 0.1335, 0.3260



18.1342, 0.1142, 0.1711

Sweetspot

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



18.1353, 0.5236, 0.2857



64.4597, 0.3490, 0.3114



15.7242, 0.2635, 0.1332



12.8901, 0.3561, 0.3086



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.



18.1353, 0.5236, 0.2857



21.9665, 0.5789, 0.2980



21.7745, 0.5616, 0.3617



13.7637, 0.3248, 0.3224



9.4508, 0.5818, 0.2979



0.6701, 0.5376, 0.2735

Inverse Universe

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



18.1353, 0.5236, 0.2857



21.9665, 0.5789, 0.2980



40.0122, 0.2130, 0.2717



13.7637, 0.3248, 0.3224



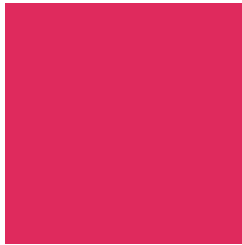
9.4508, 0.5818, 0.2979



0.6701, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 18.1342, 0.5236, 0.2857 looks on a white 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

Black Background



This preview shows how the Yxy color 18.1342, 0.5236, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

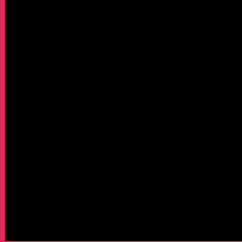
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1342, 0.5236, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 18.1342, 0.5236, 0.2857.



This preview shows how white text looks on a background with the Yxy color 18.1342, 0.5236, 0.2857.

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

18.1342, 0.5236, 0.2857

Protanopia

18.3669, 0.3013, 0.3100

Deuteranopia

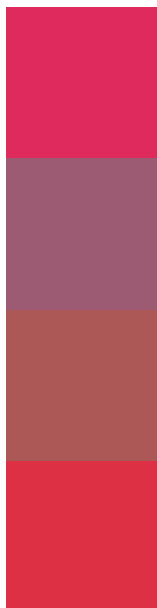
18.3374, 0.3885, 0.3829



Tritanopia

18.0852, 0.5766, 0.3290

Trichromacy



Original Color

18.1342, 0.5236, 0.2857

Protanomaly

15.6181, 0.3773, 0.2880

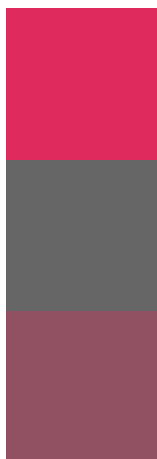
Deuteranomaly

16.3255, 0.4460, 0.3309

Tritanomaly

18.0609, 0.5600, 0.3139

Monochromacy



Original Color

18.1342, 0.5236, 0.2857

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7492, 0.3939, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1342, 0.5236, 0.2857 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(223, 42, 93)` looks like.

```
.text, #text, p{  
  color:rgb(223, 42, 93)  
}
```

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(223, 42, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 42, 93) }
```

Border

The CSS property to change the border of an element to Yxy 18.1342, 0.5236, 0.2857 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(223, 42, 93) }
```

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

```
.border{ border-color:rgb(223, 42, 93) }
```

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

Here you see how a box with a 4 pixel rgb(223, 42, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 42, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 42, 93);  
box-shadow:4px 4px 4px 4px rgb(223, 42,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1342, 0.5236, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 42, 93) }
```

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

```
.background{ background-color: rgb(223, 42,  
93) }
```

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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