

Converting Colors

$Yxy(18.7836, 0.5463, 0.2805)$

Have a look what the booklet for
Yxy(18.7836, 0.5463, 0.2805)
contains.

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Color

Yxy(18.7836, 0.5463, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	EC095B
RGB	236, 9, 91
RGB Percent	93%, 4%, 36%
CMY	0.0744, 0.9650, 0.6431
CMYK	0.00, 0.96, 0.61, 0.07
HSL	338°, 93%, 48%
HSV	338°, 96%, 93%
XYZ	36.5828, 18.7836, 11.5983
YIQ	86.2210, 108.9700, 73.6260

Conversions

Conversions Part 2

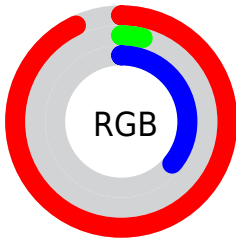
Format	Color
R_{YB}	236, 9, 91
Decimal	15468891
CIE _{Lab}	50.43, 77.36, 19.73
CIE _{LCh}	50, 79.833, 14.310
Yxy	18.7836, 0.5463, 0.2805
Android (android.graphics.Color)	4293658971 (0xFFEC095B)
YUV	86.2210, 2.3560, 131.3562
Hunter-Lab	43.3401, 74.8246, 14.4714

Details

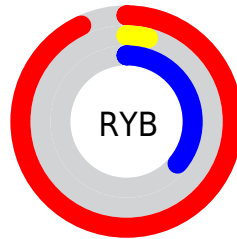
The Yxy color **18.7836, 0.5463, 0.2805** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **62.3882, 0.2585, 0.4488**, and the grayscale version is **9.3226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5488, 0.4549, 0.2857**, and **8.9679, 0.5861, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **18.4967, 0.5571, 0.2843**, and if you desaturate by 10%, it is **19.9390, 0.5156, 0.2724**.

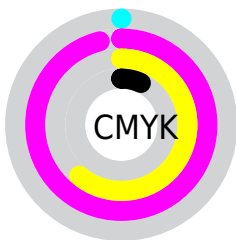
Distribution



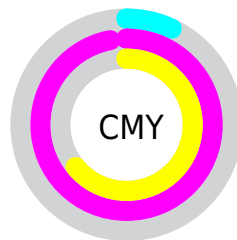
- Red (93%)
- Green (4%)
- Blue (36%)



- Red (93%)
- Yellow (4%)
- Blue (36%)



- Cyan (0%)
- Magenta (96%)
- Yellow (61%)
- Black (7%)





- Cyan (7%)
- Magenta (97%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7836, 0.5463, 0.2805 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 18.7836, 0.5463, 0.2805 by changing the saturation by 10% instead.


 18.7836, 0.5463,
0.2805


 18.7836, 0.5463,
0.2805


245.2515, 0.4136,
0.3141


 11.5140, 0.5838,
0.2683


 41.3681, 0.4945,
0.2954

 6.4137, 0.6335,
0.2500


 57.4518, 0.4761,
0.3002


 3.0982, 0.7005,
0.2216

 77.2424, 0.4609,
0.3039

 1.1832, 0.8181,
0.1819

 101.1242, 0.4483,
0.3068

 0.0479, 0.9810,
0.0190

 129.4816, 0.4376,
0.3092

 0.0000, 1.0000,
0.0000

 162.6990, 0.4284,

 0.0000, 0.0000,

0.3111

0.0000

201.1608, 0.4205,
0.3127

■ 18.7836, 0.5463,
0.2805

■ 18.7836, 0.5463,
0.2805

■ 18.4967, 0.5571,
0.2843

■ 19.9390, 0.5156,
0.2724

■ 22.0595, 0.4823,
0.2695

■ 25.3156, 0.4493,
0.2714

■ 29.8436, 0.4186,
0.2770

■ 35.7604, 0.3914,
0.2851

■ 43.1693, 0.3682,
0.2945

■ 52.1640, 0.3488,
0.3044

■ 62.8302, 0.3328,
0.3141

■ 75.2476, 0.3196,
0.3235

Harmonies

Analogous

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



18.7836, 0.4068, 0.2098



18.7836, 0.5463, 0.2805



18.7836, 0.5885, 0.3588

Triad

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



18.7836, 0.5463, 0.2805



18.7836, 0.3038, 0.6122



18.7836, 0.1100, 0.1464

Complementary

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



18.7836, 0.5463, 0.2805



62.3882, 0.2585, 0.4488

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.



18.7836, 0.0962, 0.1974



18.7836, 0.5463, 0.2805



18.7836, 0.1905, 0.5118

Square

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



18.7836, 0.5463, 0.2805



18.7836, 0.4255, 0.5547



18.7836, 0.1183, 0.3201



18.7836, 0.1594, 0.1373

Rectangle

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



18.7836, 0.5463, 0.2805



18.7836, 0.5590, 0.4176



18.7836, 0.1183, 0.3201



18.7836, 0.1018, 0.1576

Sweetspot

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



18.7848, 0.5463, 0.2805



58.8715, 0.3541, 0.3015



12.9981, 0.2327, 0.1068



11.6189, 0.3624, 0.2973



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.



18.7848, 0.5463, 0.2805



22.0360, 0.5582, 0.2848



19.3190, 0.6227, 0.3400



15.1441, 0.3236, 0.3205



10.2167, 0.5529, 0.2819



0.8201, 0.5147, 0.2609

Inverse Universe

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



18.7848, 0.5463, 0.2805



22.0360, 0.5582, 0.2848



50.1302, 0.2136, 0.2873



15.1441, 0.3236, 0.3205



10.2167, 0.5529, 0.2819



0.8201, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 18.7836, 0.5463, 0.2805 looks on a white background.

Color Contrast Check

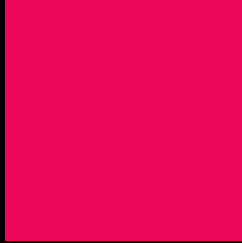
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7836, 0.5463, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

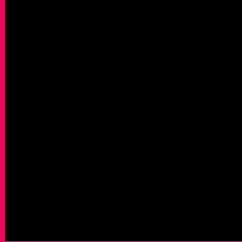
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7836, 0.5463, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 18.7836, 0.5463, 0.2805.



This preview shows how white text looks on a background with the Yxy color 18.7836, 0.5463, 0.2805.

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

18.7836, 0.5463, 0.2805

Protanopia

19.1195, 0.2981, 0.3049

Deuteranopia

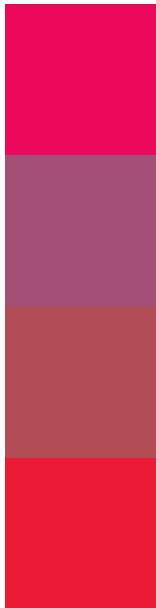
19.1046, 0.3964, 0.3902



Tritanopia

18.9369, 0.6097, 0.3308

Trichromacy



Original Color

18.7836, 0.5463, 0.2805

Protanomaly

14.7267, 0.3851, 0.2695

Deuteranomaly

15.4286, 0.4675, 0.3184

Tritanomaly

18.7219, 0.5947, 0.3150

Monochromacy



Original Color

18.7836, 0.5463, 0.2805

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3934, 0.4200, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7836, 0.5463, 0.2805 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, 9, 91)` looks like.

```
.text, #text, p{  
    color:rgb(236, 9, 91)  
}
```

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, 9, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 9, 91) }
```

Border

The CSS property to change the border of an element to Yxy 18.7836, 0.5463, 0.2805 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, 9, 91) }
```

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

```
.border{ border-color:rgb(236, 9, 91) }
```

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

Here you see how a box with a 4 pixel rgb(236, 9, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 9, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 9, 91);  
box-shadow:4px 4px 4px 4px rgb(236, 9, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.7836, 0.5463, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 9, 91) }
```

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

```
.background{ background-color: rgb(236, 9,  
91) }
```

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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