

Converting Colors

$Yxy(18.9138, 0.5230, 0.2874)$

Have a look what the booklet for
Yxy(18.9138, 0.5230, 0.2874)
contains.

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Color

Yxy(18.8537, 0.5232, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	E22D5E
RGB	226, 45, 94
RGB Percent	89%, 18%, 37%
CMY	0.1137, 0.8234, 0.6313
CMYK	0.00, 0.80, 0.58, 0.11
HSL	344°, 76%, 53%
HSV	344°, 80%, 89%
XYZ	34.3224, 18.8537, 12.4248
YIQ	104.7050, 92.1470, 53.6110

Conversions

Conversions Part 2

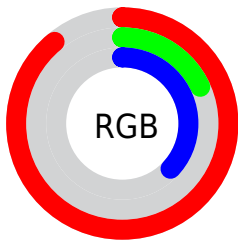
Format	Color
R_{YB}	226, 45, 94
Decimal	14822750
CIE _{Lab}	50.52, 69.35, 17.67
CIE _{LCh}	51, 71.566, 14.298
Yxy	18.8537, 0.5232, 0.2874
Android (android.graphics.Color)	4293012830 (0xFFE22D5E)
YUV	104.7050, -5.2776, 106.3757
Hunter-Lab	43.4208, 65.1104, 13.4288

Details

The Yxy color **18.8537, 0.5232, 0.2874** 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 **58.1222, 0.2493, 0.4002**, and the grayscale version is **14.0420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2109, 0.4452, 0.2944**, and **8.0083, 0.5737, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **17.3014, 0.5592, 0.2931**, and if you desaturate by 10%, it is **21.3932, 0.4849, 0.2862**.

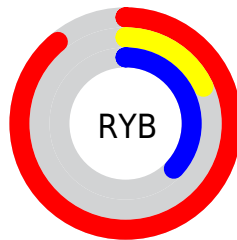
Distribution



Red (89%)

Green (18%)

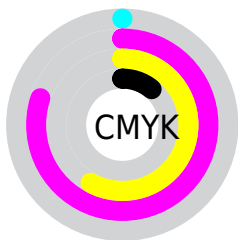
Blue (37%)



Red (89%)

Yellow (18%)

Blue (37%)

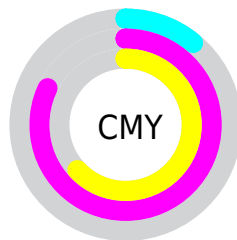


Cyan (0%)

Magenta (80%)

Yellow (58%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8537, 0.5232, 0.2874 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 18.8537, 0.5232, 0.2874 by changing the saturation by 10% instead.


 18.8537, 0.5232,
0.2874


 18.8537, 0.5232,
0.2874


245.6399, 0.4030,
0.3161


 11.5646, 0.5578,
0.2768


 41.4867, 0.4759,
0.3002

 6.4480, 0.6045,
0.2609


 57.5995, 0.4592,
0.3042


 3.1193, 0.6691,
0.2355

 77.4222, 0.4456,
0.3074

 1.1943, 0.7934,
0.2012

 101.3394, 0.4342,
0.3099

 0.0571, 0.9737,
0.0263

 129.7353, 0.4245,
0.3119

 0.0000, 1.0000,
0.0000

162.9945, 0.4163,

 0.0000, 0.0000,

0.3136

0.0000

201.5012, 0.4092,
0.3149

■ 18.8537, 0.5232,
0.2874

■ 18.8537, 0.5232,
0.2874

■ 17.3014, 0.5592,
0.2931

■ 21.3932, 0.4849,
0.2862


■ 16.5068, 0.5894,
0.3021

■ 25.0493, 0.4479,
0.2887


■ 29.9352, 0.4145,
0.2938

■ 36.1492, 0.3858,
0.3004

■ 43.7794, 0.3618,
0.3077

 52.9066, 0.3420,
0.3151

 63.6052, 0.3259,
0.3222

 75.9448, 0.3128,
0.3290

 89.9907, 0.3022,
0.3352

Harmonies

Analogous

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



18.8537, 0.3984, 0.2197



18.8537, 0.5232, 0.2874



18.8537, 0.5656, 0.3634

Triad

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



18.8537, 0.5232, 0.2874



18.8537, 0.3111, 0.5816



18.8537, 0.1236, 0.1603

Complementary

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



18.8537, 0.5232, 0.2874



58.1222, 0.2493, 0.4002

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.



18.8537, 0.1109, 0.2105



18.8537, 0.5232, 0.2874



18.8537, 0.2041, 0.4898

Square

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



18.8537, 0.5232, 0.2874



18.8537, 0.4239, 0.5398



18.8537, 0.1341, 0.3238



18.8537, 0.1714, 0.1507

Rectangle

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



18.8537, 0.5232, 0.2874



18.8537, 0.5424, 0.4193



18.8537, 0.1341, 0.3238



18.8537, 0.1157, 0.1716

Sweetspot

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



18.8548, 0.5232, 0.2874



64.4262, 0.3496, 0.3121



16.4506, 0.2643, 0.1347



12.8822, 0.3568, 0.3094



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.



18.8548, 0.5232, 0.2874



22.0100, 0.5797, 0.2990



22.7343, 0.5578, 0.3621



13.7612, 0.3250, 0.3227



9.4347, 0.5854, 0.2999



0.6687, 0.5413, 0.2755

Inverse Universe

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



18.8548, 0.5232, 0.2874



22.0100, 0.5797, 0.2990



41.4980, 0.2137, 0.2725



13.7612, 0.3250, 0.3227



9.4347, 0.5854, 0.2999



0.6687, 0.5413, 0.2755

Previews

White Background



This preview shows how the Yxy color 18.8537, 0.5232, 0.2874 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 18.8537, 0.5232, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

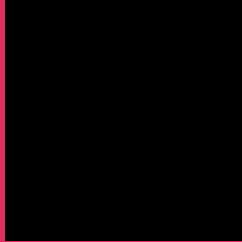
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8537, 0.5232, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 18.8537, 0.5232, 0.2874.



This preview shows how white text looks on a background with the Yxy color 18.8537, 0.5232, 0.2874.

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

18.8537, 0.5232, 0.2874

Protanopia

19.0829, 0.3037, 0.3122

Deuteranopia

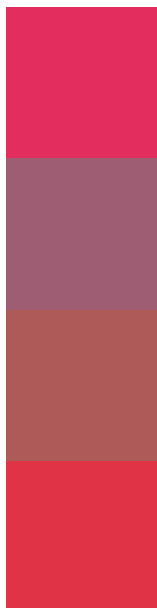
19.0760, 0.3899, 0.3837



Tritanopia

18.7712, 0.5731, 0.3283

Trichromacy



Original Color

18.8537, 0.5232, 0.2874

Protanomaly

16.4606, 0.3788, 0.2919

Deuteranomaly

17.0156, 0.4467, 0.3323

Tritanomaly

18.8174, 0.5573, 0.3145

Monochromacy



Original Color

18.8537, 0.5232, 0.2874

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.5157, 0.3935, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8537, 0.5232, 0.2874 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(226, 45, 94)` looks like.

```
.text, #text, p{  
    color:rgb(226, 45, 94)  
}
```

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(226, 45, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 45, 94) }
```

Border

The CSS property to change the border of an element to Yxy 18.8537, 0.5232, 0.2874 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(226, 45, 94) }
```

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

```
.border{ border-color:rgb(226, 45, 94) }
```

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

Here you see how a box with a 4 pixel rgb(226, 45, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 45, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 45, 94);  
box-shadow:4px 4px 4px 4px rgb(226, 45,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8537, 0.5232, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 45, 94) }
```

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

```
.background{ background-color: rgb(226, 45,  
94) }
```

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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