

Converting Colors

$Yxy(18.3671, 0.5592, 0.2931)$

Have a look what the booklet for
Yxy(18.3671, 0.5592, 0.2931)
contains.

Yxy(18.3478, 0.5591, 0.2928)	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(18.3478, 0.5591, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	E81750
RGB	232, 23, 80
RGB Percent	91%, 9%, 31%
CMY	0.0902, 0.9098, 0.6864
CMYK	0.00, 0.90, 0.66, 0.09
HSL	344°, 82%, 50%
HSV	344°, 90%, 91%
XYZ	35.0350, 18.3478, 9.2804
YIQ	91.9890, 106.2670, 62.0350

Conversions

Conversions Part 2

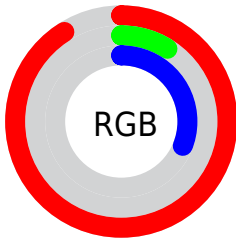
Format	Color
R_{YB}	232, 23, 80
Decimal	15210320
CIE Lab	49.92, 74.38, 25.63
CIE LCh	50, 78.676, 19.012
Yxy	18.3478, 0.5591, 0.2928
Android (android.graphics.Color)	4293400400 (0xFFE81750)
YUV	91.9890, -5.9106, 122.7896
Hunter-Lab	42.8343, 71.0385, 17.1383

Details

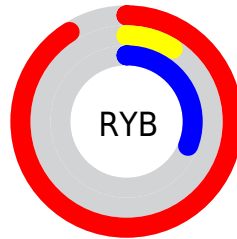
The Yxy color **18.3478, 0.5591, 0.2928** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **60.9970, 0.2491, 0.4112**, and the grayscale version is **10.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7687, 0.4698, 0.3005**, and **8.4522, 0.6020, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **17.5192, 0.5892, 0.3019**, and if you desaturate by 10%, it is **19.9871, 0.5231, 0.2871**.

Distribution



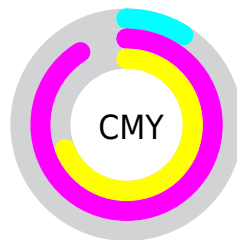
- Red (91%)
- Green (9%)
- Blue (31%)



- Red (91%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (90%)
- Yellow (66%)
- Black (9%)




- Cyan (9%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3478, 0.5591, 0.2928 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 18.3478, 0.5591, 0.2928 by changing the saturation by 10% instead.


 18.3478, 0.5591,
0.2928


 18.3478, 0.5591,
0.2928


242.8242, 0.4190,
0.3217


 11.2000, 0.5982,
0.2808


 40.6291, 0.5046,
0.3066


 6.2015, 0.6494,
0.2623

 56.5313, 0.4851,
0.3107

 2.9680, 0.7191,
0.2331

 76.1205, 0.4691,
0.3138

 1.1150, 0.8146,
0.1854

 99.7810, 0.4557,
0.3162

 0.0000, 1.0000,
0.0000

 127.8972, 0.4444,
0.3180

 0.0000, 0.0000,
0.0000

 160.8536, 0.4347,

0.3195

199.0344, 0.4263,
0.3207

■ 18.3478, 0.5591,
0.2928

■ 18.3478, 0.5591,
0.2928

■ 17.5192, 0.5892,
0.3019

■ 19.9871, 0.5231,
0.2871

■ 22.6714, 0.4848,
0.2858

■ 26.5437, 0.4479,
0.2883

■ 31.7236, 0.4145,
0.2935

■ 38.3158, 0.3858,
0.3002

■ 46.4146, 0.3617,
0.3075

■ 56.1058, 0.3420,
0.3150

■ 67.4690, 0.3259,
0.3222

■ 80.5783, 0.3128,
0.3289

Harmonies

Analogous

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



18.3478, 0.4312, 0.2205



18.3478, 0.5591, 0.2928



18.3478, 0.5837, 0.3722

Triad

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



18.3478, 0.5591, 0.2928



18.3478, 0.2855, 0.6070



18.3478, 0.1159, 0.1435

Complementary

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



18.3478, 0.5591, 0.2928



60.9970, 0.2491, 0.4112

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.



18.3478, 0.0971, 0.1864



18.3478, 0.5591, 0.2928



18.3478, 0.1765, 0.4810

Square

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



18.3478, 0.5591, 0.2928



18.3478, 0.4066, 0.5681



18.3478, 0.1129, 0.2953



18.3478, 0.1719, 0.1396

Rectangle

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



18.3478, 0.5591, 0.2928



18.3478, 0.5464, 0.4328



18.3478, 0.1129, 0.2953



18.3478, 0.1060, 0.1526

Sweetspot

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



18.3489, 0.5591, 0.2928



60.8450, 0.3555, 0.3097



15.2995, 0.2565, 0.1224



12.1969, 0.3628, 0.3071



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.



18.3489, 0.5591, 0.2928



21.6962, 0.5904, 0.3026



21.3876, 0.5923, 0.3566



14.4322, 0.3250, 0.3226



9.7432, 0.5851, 0.2997



0.7353, 0.5434, 0.2767

Inverse Universe

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



18.3489, 0.5591, 0.2928



21.6962, 0.5904, 0.3026



41.4322, 0.2083, 0.2644



14.4322, 0.3250, 0.3226



9.7432, 0.5851, 0.2997



0.7353, 0.5434, 0.2767

Previews

White Background



This preview shows how the Yxy color 18.3478, 0.5591, 0.2928 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 18.3478, 0.5591, 0.2928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

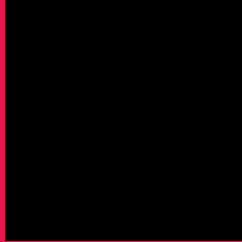
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3478, 0.5591, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 18.3478, 0.5591, 0.2928.



This preview shows how white text looks on a background with the Yxy color 18.3478, 0.5591, 0.2928.

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

18.3478, 0.5591, 0.2928

Protanopia

18.6656, 0.3213, 0.3347

Deuteranopia

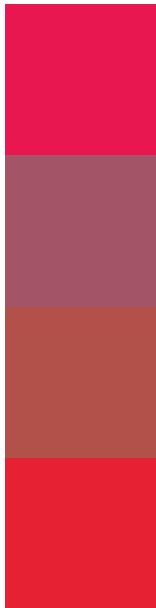
18.5878, 0.4130, 0.4046



Tritanopia

18.5025, 0.6074, 0.3309

Trichromacy



Original Color

18.3478, 0.5591, 0.2928

Protanomaly

15.1065, 0.4105, 0.2992

Deuteranomaly

15.7264, 0.4811, 0.3391

Tritanomaly

18.3246, 0.5941, 0.3191

Monochromacy



Original Color

18.3478, 0.5591, 0.2928

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5585, 0.4178, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3478, 0.5591, 0.2928 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(232, 23, 80)` looks like.

```
.text, #text, p{  
  color:rgb(232, 23, 80)  
}
```

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(232, 23, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 23, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.3478, 0.5591, 0.2928 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(232, 23, 80) }
```

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

```
.border{ border-color:rgb(232, 23, 80) }
```

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

Here you see how a box with a 4 pixel rgb(232, 23, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 23, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 23, 80);  
box-shadow:4px 4px 4px 4px rgb(232, 23,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3478, 0.5591, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 23, 80) }
```

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

```
.background{ background-color: rgb(232, 23,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor