

Converting Colors

$Y_{xy}(7.1631, 0.6301, 0.1507)$

Have a look what the booklet for
Yxy(7.1631, 0.6301, 0.1507)
contains.

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Color

Yxy(17.9640, 0.5392, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	E8005E
RGB	232, 0, 94
RGB Percent	91%, 0%, 37%
CMY	0.0902, 0.9998, 0.6313
CMYK	0.00, 1.00, 0.59, 0.09
HSL	336°, 100%, 45%
HSV	336°, 100%, 91%
XYZ	35.2995, 17.9640, 12.2030
YIQ	80.0840, 108.0980, 78.4180

Conversions

Conversions Part 2

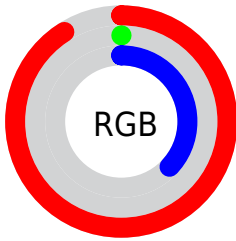
Format	Color
RYB	232, 0, 94
Decimal	15204446
CIELab	49.45, 77.28, 16.42
CIElCh	49, 79.005, 11.997
Yxy	17.9640, 0.5392, 0.2744
Android (android.graphics.Color)	4293394526 (0xFFE8005E)
YUV	80.0840, 6.8606, 133.2303
Hunter-Lab	42.3840, 74.4920, 12.5983

Details

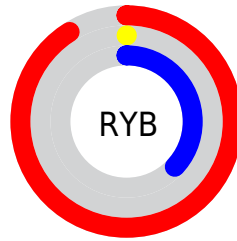
The Yxy color **17.9640, 0.5392, 0.2744** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **59.5476, 0.2638, 0.4697**, and the grayscale version is **8.0165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1023, 0.4520, 0.2801**, and **8.5466, 0.5775, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **17.9634, 0.5393, 0.2744**, and if you desaturate by 10%, it is **18.8572, 0.5110, 0.2656**.

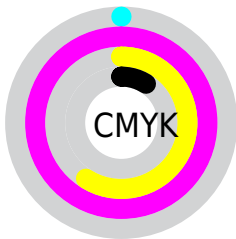
Distribution



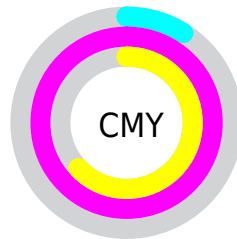
- Red (91%)
- Green (0%)
- Blue (37%)



- Red (91%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9640, 0.5392, 0.2744 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 17.9640, 0.5392, 0.2744 by changing the saturation by 10% instead.


 17.9640, 0.5392,
0.2744


 17.9640, 0.5392,
0.2744


240.6681, 0.4096,
0.3106


 10.9241, 0.5764,
0.2617


 39.9760, 0.4883,
0.2901


 6.0158, 0.6263,
0.2430

 55.7169, 0.4703,
0.2952

 2.8547, 0.6947,
0.2141

 75.1269, 0.4555,
0.2992

 1.0564, 0.8247,
0.1753

 98.5905, 0.4432,
0.3024

 0.0000, 1.0000,
0.0000

 126.4920, 0.4329,
0.3050

 0.0000, 0.0000,
0.0000

 159.2158, 0.4240,

0.3072

197.1464, 0.4163,
0.3091

■ 17.9640, 0.5392,
0.2744

■ 17.9640, 0.5392,
0.2744

■ 17.9634, 0.5393,
0.2744

■ 18.8572, 0.5110,
0.2656

■ 20.5407, 0.4806,
0.2614

■ 23.2535, 0.4499,
0.2625

■ 27.1351, 0.4208,
0.2679

■ 32.3032, 0.3947,
0.2763

■ 38.8607, 0.3720,
0.2864

■ 46.9001, 0.3527,
0.2973

■ 56.5060, 0.3367,
0.3083

■ 67.7565, 0.3235,
0.3190

Harmonies

Analogous

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



17.9640, 0.3947, 0.2045



17.9640, 0.5392, 0.2744



17.9640, 0.5902, 0.3522

Triad

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



17.9640, 0.5392, 0.2744



17.9640, 0.3129, 0.6134



17.9640, 0.1072, 0.1480

Complementary

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



17.9640, 0.5392, 0.2744



59.5476, 0.2638, 0.4697

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.



17.9640, 0.0959, 0.2033



17.9640, 0.5392, 0.2744



17.9640, 0.1976, 0.5265

Square

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



17.9640, 0.5392, 0.2744



17.9640, 0.4350, 0.5479



17.9640, 0.1213, 0.3333



17.9640, 0.1536, 0.1364

Rectangle

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



17.9640, 0.5392, 0.2744



17.9640, 0.5649, 0.4103



17.9640, 0.1213, 0.3333



17.9640, 0.0999, 0.1604

Sweetspot

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



17.9651, 0.5392, 0.2744



57.9281, 0.3531, 0.2971



11.0074, 0.2182, 0.0976



11.4489, 0.3608, 0.2925



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.



17.9651, 0.5392, 0.2744



22.2456, 0.5405, 0.2751



17.6342, 0.6349, 0.3340



14.4643, 0.3229, 0.3195



9.9963, 0.5351, 0.2721



0.7567, 0.4968, 0.2510

Inverse Universe

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



17.9651, 0.5392, 0.2744



22.2456, 0.5405, 0.2751



53.2482, 0.2173, 0.3023



14.4643, 0.3229, 0.3195



9.9963, 0.5351, 0.2721



0.7567, 0.4968, 0.2510

Previews

White Background



This preview shows how the Yxy color 17.9640, 0.5392, 0.2744 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 17.9640, 0.5392, 0.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

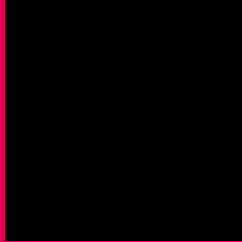
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9640, 0.5392, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 17.9640, 0.5392, 0.2744.

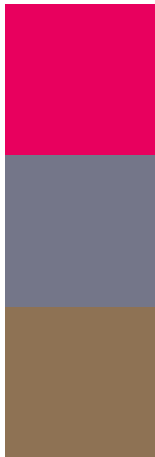


This preview shows how white text looks on a background with the Yxy color 17.9640, 0.5392, 0.2744.

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

17.9640, 0.5392, 0.2744

Protanopia

18.4760, 0.2891, 0.2935

Deuteranopia

18.4255, 0.3899, 0.3826



Tritanopia

18.3366, 0.6071, 0.3309

Trichromacy



Original Color

17.9640, 0.5392, 0.2744



Protanomaly

13.6817, 0.3756, 0.2561



Deuteranomaly

14.5836, 0.4613, 0.3083



Tritanomaly

17.9376, 0.5917, 0.3120

Monochromacy



Original Color

17.9640, 0.5392, 0.2744



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.1744, 0.4204, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9640, 0.5392, 0.2744 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, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 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(232, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.9640, 0.5392, 0.2744 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, 0, 94) }
```

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

```
.border{ border-color:rgb(232, 0, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9640, 0.5392, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 94) }
```

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

```
.background{ background-color: rgb(232, 0,  
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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