

Converting Colors

$Y_{xy}(17.9590, 0.5456, 0.2971)$

Have a look what the booklet for
Yxy(17.9590, 0.5456, 0.2971)
contains.

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Color

Yxy(17.9590, 0.5456, 0.2971)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | E02851 |
| RGB | 224, 40, 81 |
| RGB Percent | 88%, 16%, 32% |
| CMY | 0.1216, 0.8429, 0.6824 |
| CMYK | 0.00, 0.82, 0.64, 0.12 |
| HSL | 347°, 75%, 52% |
| HSV | 347°, 82%, 88% |
| XYZ | 32.9802, 17.9590, 9.5084 |
| YIQ | 99.6900, 96.5030, 51.7590 |

Conversions

Conversions Part 2

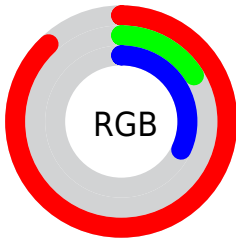
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 224, 40, 81 |
| Decimal | 14690385 |
| CIE _{Lab} | 49.45, 69.26, 24.11 |
| CIE _{LCh} | 49, 73.331, 19.192 |
| Yxy | 17.9590, 0.5456, 0.2971 |
| Android (android.graphics.Color) | 4292880465 (0xFFE02851) |
| YUV | 99.6900, -9.2142, 109.0199 |
| Hunter-Lab | 42.3781, 64.7540, 16.3617 |

Details

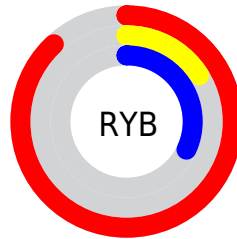
The Yxy color **17.9590, 0.5456, 0.2971** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.1766, 0.2451, 0.3884**, and the grayscale version is **12.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1798, 0.4649, 0.3059**, and **7.7106, 0.5968, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **16.6316, 0.5813, 0.3035**, and if you desaturate by 10%, it is **20.2293, 0.5055, 0.2946**.

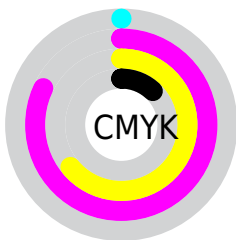
Distribution



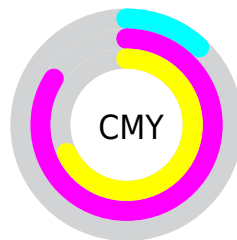
- Red (88%)
- Green (16%)
- Blue (32%)



- Red (88%)
- Yellow (16%)
- Blue (32%)



- Cyan (0%)
- Magenta (82%)
- Yellow (64%)
- Black (12%)





- Cyan (12%)
- Magenta (84%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9590, 0.5456, 0.2971 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 17.9590, 0.5456, 0.2971 by changing the saturation by 10% instead.


 17.9590, 0.5456,
0.2971


 17.9590, 0.5456,
0.2971


240.6398, 0.4122,
0.3229


 10.9206, 0.5835,
0.2861


 39.9675, 0.4933,
0.3095


 6.0134, 0.6339,
0.2689

 55.7062, 0.4748,
0.3132

 2.8533, 0.7033,
0.2411

 75.1139, 0.4595,
0.3159

 1.0556, 0.8050,
0.1950

 98.5749, 0.4469,
0.3180

 0.0000, 1.0000,
0.0000

 126.4736, 0.4362,
0.3197

 0.0000, 0.0000,
0.0000

159.1944, 0.4270,

0.3210

197.1217, 0.4191,
0.3220

■ 17.9590, 0.5456,
0.2971

■ 17.9590, 0.5456,
0.2971

■ 16.6316, 0.5813,
0.3035

■ 20.2293, 0.5055,
0.2946

■ 16.0736, 0.6040,
0.3101

■ 23.5757, 0.4654,
0.2956

■ 28.1130, 0.4286,
0.2992

■ 33.9406, 0.3966,
0.3044

■ 41.1472, 0.3698,
0.3103

■ 49.8137, 0.3478,
0.3163

■ 60.0148, 0.3299,
0.3223

■ 71.8199, 0.3154,
0.3279

■ 85.2943, 0.3037,
0.3330

Harmonies

Analogous

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



17.9590, 0.4256, 0.2264



17.9590, 0.5456, 0.2971



17.9590, 0.5711, 0.3753

Triad

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



17.9590, 0.5456, 0.2971



17.9590, 0.2898, 0.5883



17.9590, 0.1238, 0.1514

Complementary

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



17.9590, 0.5456, 0.2971



57.1766, 0.2451, 0.3884

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.



17.9590, 0.1054, 0.1938



17.9590, 0.5456, 0.2971



17.9590, 0.1843, 0.4695

Square

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



17.9590, 0.5456, 0.2971



17.9590, 0.4062, 0.5587



17.9590, 0.1217, 0.2981



17.9590, 0.1790, 0.1472

Rectangle

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



17.9590, 0.5456, 0.2971



17.9590, 0.5375, 0.4339



17.9590, 0.1217, 0.2981



17.9590, 0.1140, 0.1604

Sweetspot

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



17.9601, 0.5456, 0.2971



63.0595, 0.3541, 0.3145



16.7346, 0.2728, 0.1372



12.6143, 0.3618, 0.3123



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.



17.9601, 0.5456, 0.2971



21.6282, 0.6030, 0.3101



23.1608, 0.5551, 0.3705



13.7502, 0.3257, 0.3238



9.3717, 0.6005, 0.3082



0.6630, 0.5572, 0.2843

Inverse Universe

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



17.9601, 0.5456, 0.2971



21.6282, 0.6030, 0.3101



36.4689, 0.2086, 0.2566



13.7502, 0.3257, 0.3238



9.3717, 0.6005, 0.3082



0.6630, 0.5572, 0.2843

Previews

White Background



This preview shows how the Yxy color 17.9590, 0.5456, 0.2971 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 17.9590, 0.5456, 0.2971 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 17.9590, 0.5456, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 17.9590, 0.5456, 0.2971.



This preview shows how white text looks on a background with the Yxy color 17.9590, 0.5456, 0.2971.

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

17.9590, 0.5456, 0.2971

Protanopia

18.2867, 0.3238, 0.3386

Deuteranopia

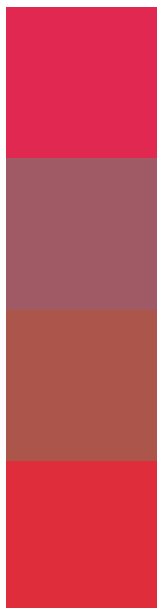
18.1178, 0.4073, 0.4010



Tritanopia

18.0153, 0.5862, 0.3298

Trichromacy



Original Color

17.9590, 0.5456, 0.2971

Protanomaly

15.6228, 0.4046, 0.3113

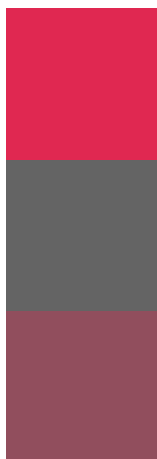
Deuteranomaly

15.9342, 0.4684, 0.3454

Tritanomaly

17.8910, 0.5736, 0.3189

Monochromacy



Original Color

17.9590, 0.5456, 0.2971

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2588, 0.4044, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9590, 0.5456, 0.2971 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(224, 40, 81)` looks like.

```
.text, #text, p{  
  color:rgb(224, 40, 81)  
}
```

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(224, 40, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 40, 81) }
```

Border

The CSS property to change the border of an element to Yxy 17.9590, 0.5456, 0.2971 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(224, 40, 81) }
```

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

```
.border{ border-color:rgb(224, 40, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 40, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 40, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 40, 81);  
box-shadow:4px 4px 4px 4px rgb(224, 40,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9590, 0.5456, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 40, 81) }
```

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

```
.background{ background-color: rgb(224, 40,  
81) }
```

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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