

Converting Colors

$Y_{xy}(17.9714, 0.5737, 0.3074)$

Have a look what the booklet for
Yxy(17.9714, 0.5737, 0.3074)
contains.

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Color

Yxy(17.9869, 0.5730, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	E42143
RGB	228, 33, 67
RGB Percent	89%, 13%, 26%
CMY	0.1059, 0.8704, 0.7372
CMYK	0.00, 0.86, 0.71, 0.11
HSL	350°, 78%, 51%
HSV	350°, 86%, 89%
XYZ	33.5498, 17.9869, 7.0144
YIQ	95.1810, 105.3060, 51.9140

Conversions

Conversions Part 2

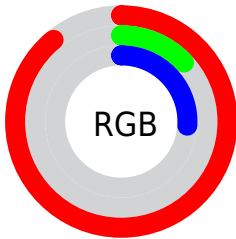
Format	Color
R_{YB}	228, 33, 67
Decimal	14950723
CIE Lab	49.48, 71.12, 32.72
CIE LCh	49, 78.287, 24.707
Yxy	17.9869, 0.5730, 0.3072
Android (android.graphics.Color)	4293140803 (0xFFE42143)
YUV	95.1810, -13.8932, 116.4823
Hunter-Lab	42.4110, 66.9857, 19.8816

Details

The Yxy color **17.9869, 0.5730, 0.3072** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **59.7020, 0.2406, 0.3769**, and the grayscale version is **11.5105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0005, 0.4865, 0.3172**, and **7.9627, 0.6172, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **16.9297, 0.6052, 0.3139**, and if you desaturate by 10%, it is **19.9750, 0.5328, 0.3035**.

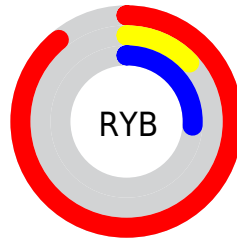
Distribution



Red (89%)

Green (13%)

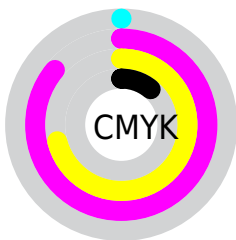
Blue (26%)



Red (89%)

Yellow (13%)

Blue (26%)

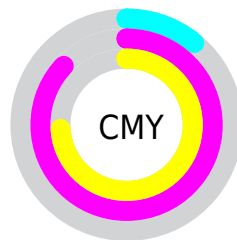


Cyan (0%)

Magenta (86%)

Yellow (71%)

Black (11%)



Cyan (11%)


Magenta (87%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9869, 0.5730, 0.3072 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 17.9869, 0.5730, 0.3072 by changing the saturation by 10% instead.


 17.9869, 0.5730,
0.3072


 17.9869, 0.5730,
0.3072


240.7972, 0.4255,
0.3308


 10.9406, 0.6131,
0.2954


 40.0150, 0.5162,
0.3198


 6.0269, 0.6643,
0.2762

 55.7656, 0.4957,
0.3233


 2.8614, 0.7453,
0.2494

 75.1864, 0.4787,
0.3257

 1.0598, 0.8095,
0.1905

 98.6617, 0.4646,
0.3274

 0.0000, 1.0000,
0.0000

 126.5761, 0.4525,
0.3287

 0.0000, 0.0000,
0.0000

 159.3139, 0.4422,

0.3296

197.2595, 0.4333,
0.3303

■ 17.9869, 0.5730,
0.3072

■ 17.9869, 0.5730,
0.3072

■ 16.9297, 0.6052,
0.3139

■ 19.9750, 0.5328,
0.3035


■ 16.6436, 0.6165,
0.3170

■ 23.0463, 0.4901,
0.3029

■ 27.3286, 0.4493,
0.3048


■ 32.9312, 0.4132,
0.3083

■ 39.9513, 0.3826,
0.3127

 48.4765, 0.3574,
0.3175

 58.5877, 0.3369,
0.3222

 70.3598, 0.3204,
0.3267

 83.8629, 0.3071,
0.3308

Harmonies

Analogous

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



17.9869, 0.4608, 0.2333



17.9869, 0.5730, 0.3072



17.9869, 0.5768, 0.3886

Triad

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



17.9869, 0.5730, 0.3072



17.9869, 0.2628, 0.5972



17.9869, 0.1232, 0.1401

Complementary

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



17.9869, 0.5730, 0.3072



59.7020, 0.2406, 0.3769

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.



17.9869, 0.0980, 0.1741



17.9869, 0.5730, 0.3072



17.9869, 0.1599, 0.4438

Square

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



17.9869, 0.5730, 0.3072



17.9869, 0.3836, 0.5841



17.9869, 0.1065, 0.2678



17.9869, 0.1877, 0.1421

Rectangle

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



17.9869, 0.5730, 0.3072



17.9869, 0.5309, 0.4519



17.9869, 0.1065, 0.2678



17.9869, 0.1110, 0.1467

Sweetspot

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



17.9880, 0.5730, 0.3072



61.7080, 0.3589, 0.3172



17.9304, 0.2813, 0.1388



12.3495, 0.3672, 0.3155



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.



17.9880, 0.5730, 0.3072



21.4450, 0.6177, 0.3176



24.7471, 0.5557, 0.3785



14.4088, 0.3265, 0.3249



9.6237, 0.6135, 0.3153



0.7233, 0.5754, 0.2943

Inverse Universe

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



17.9880, 0.5730, 0.3072



21.4450, 0.6177, 0.3176



33.2914, 0.2023, 0.2379



14.4088, 0.3265, 0.3249



9.6237, 0.6135, 0.3153



0.7233, 0.5754, 0.2943

Previews

White Background



This preview shows how the Yxy color 17.9869, 0.5730, 0.3072 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 17.9869, 0.5730, 0.3072 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 17.9869, 0.5730, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 17.9869, 0.5730, 0.3072.



This preview shows how white text looks on a background with the Yxy color 17.9869, 0.5730, 0.3072.

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

17.9869, 0.5730, 0.3072

Protanopia

18.1614, 0.3487, 0.3715

Deuteranopia

18.2068, 0.4300, 0.4238



Tritanopia

17.9884, 0.6032, 0.3310

Trichromacy



Original Color

17.9869, 0.5730, 0.3072

Protanomaly

15.1536, 0.4378, 0.3325

Deuteranomaly

15.8970, 0.4978, 0.3615

Tritanomaly

17.8758, 0.5938, 0.3227

Monochromacy



Original Color

17.9869, 0.5730, 0.3072

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1302, 0.4205, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9869, 0.5730, 0.3072 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(228, 33, 67)` looks like.

```
.text, #text, p{  
  color:rgb(228, 33, 67)  
}
```

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(228, 33, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 33, 67) }
```

Border

The CSS property to change the border of an element to Yxy 17.9869, 0.5730, 0.3072 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(228, 33, 67) }
```

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

```
.border{ border-color:rgb(228, 33, 67) }
```

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

Here you see how a box with a 4 pixel rgb(228, 33, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 33, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 33, 67);  
box-shadow:4px 4px 4px 4px rgb(228, 33,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9869, 0.5730, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 33, 67) }
```

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

```
.background{ background-color: rgb(228, 33,  
67) }
```

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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