

Converting Colors

Yxy(19.9860, 0.5824, 0.2988)

Have a look what the booklet for
Yxy(19.9860, 0.5824, 0.2988)
contains.

Yxy(19.9238, 0.5824, 0.2987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9238, 0.5824, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	F50248
RGB	245, 2, 72
RGB Percent	96%, 1%, 28%
CMY	0.0392, 0.9918, 0.7176
CMYK	0.00, 0.99, 0.71, 0.04
HSL	343°, 98%, 48%
HSV	343°, 99%, 96%
XYZ	38.8471, 19.9238, 7.9308
YIQ	82.6370, 122.3580, 73.2860

Conversions

Conversions Part 2

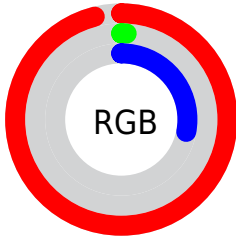
Format	Color
RYB	245, 2, 72
Decimal	16056904
CIELab	51.75, 79.03, 33.29
CIELCh	52, 85.753, 22.841
Yxy	19.9238, 0.5824, 0.2987
Android (android.graphics.Color)	4294246984 (0xFFFF50248)
YUV	82.6370, -5.2440, 142.3924
Hunter-Lab	44.6361, 77.2366, 20.7108

Details

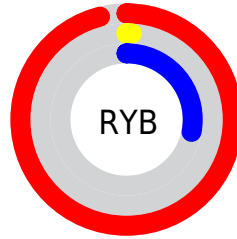
The Yxy color **19.9238, 0.5824, 0.2987** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **68.4139, 0.2518, 0.4262**, and the grayscale version is **8.5753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9818, 0.4834, 0.3068**, and **9.7920, 0.6166, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **19.8607, 0.5848, 0.2995**, and if you desaturate by 10%, it is **20.9057, 0.5517, 0.2893**.

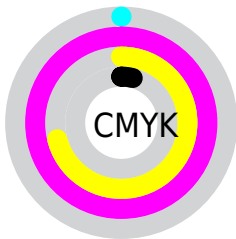
Distribution



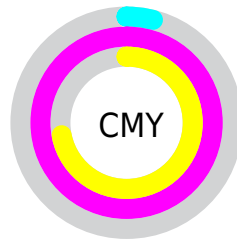
- Red (96%)
- Green (1%)
- Blue (28%)



- Red (96%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (71%)
- Black (4%)




- Cyan (4%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9238, 0.5824, 0.2987 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 19.9238, 0.5824, 0.2987 by changing the saturation by 10% instead.


 19.9238, 0.5824,
0.2987


 19.9238, 0.5824,
0.2987


251.5023, 0.4323,
0.3270


 12.3397, 0.6219,
0.2861


 43.2894, 0.5255,
0.3129


 6.9754, 0.6719,
0.2667


 59.8396, 0.5046,
0.3170

 3.4467, 0.7417,
0.2380

 80.1474, 0.4873,
0.3200

 1.3692, 0.8132,
0.1868

 104.5970, 0.4728,
0.3222

 0.1938, 0.9366,
0.0634

 133.5729, 0.4604,
0.3239

 0.0000, 1.0000,
0.0000

 167.4595, 0.4497,

 0.0000, 0.0000,

0.3252

0.0000

206.6412, 0.4404,
0.3262

■ 19.9238, 0.5824,
0.2987

■ 19.9238, 0.5824,
0.2987

■ 19.8607, 0.5848,
0.2995

■ 20.9057, 0.5517,
0.2893

■ 22.8463, 0.5158,
0.2840

■ 25.9876, 0.4782,
0.2832

■ 30.4890, 0.4422,
0.2863

■ 36.4852, 0.4099,
0.2920

■ 44.0947, 0.3821,
0.2992

■ 53.4238, 0.3589,
0.3070

■ 64.5697, 0.3399,
0.3149

■ 77.6225, 0.3244,
0.3225

Harmonies

Analogous

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



19.9238, 0.4587, 0.2241



19.9238, 0.5824, 0.2987



19.9238, 0.5900, 0.3804

Triad

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



19.9238, 0.5824, 0.2987



19.9238, 0.2645, 0.6192



19.9238, 0.1137, 0.1338

Complementary

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



19.9238, 0.5824, 0.2987



68.4139, 0.2518, 0.4262

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.



19.9238, 0.0902, 0.1705



19.9238, 0.5824, 0.2987



19.9238, 0.1570, 0.4641

Square

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



19.9238, 0.5824, 0.2987



19.9238, 0.3896, 0.5893



19.9238, 0.1002, 0.2718



19.9238, 0.1765, 0.1343

Rectangle

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



19.9238, 0.5824, 0.2987



19.9238, 0.5432, 0.4454



19.9238, 0.1002, 0.2718



19.9238, 0.1022, 0.1411

Sweetspot

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



19.9251, 0.5824, 0.2987



57.4947, 0.3609, 0.3063



15.4221, 0.2456, 0.1129



11.3478, 0.3703, 0.3029



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.



19.9251, 0.5824, 0.2987



21.7464, 0.5853, 0.2998



21.7550, 0.6184, 0.3464



16.5610, 0.3248, 0.3222



10.7204, 0.5806, 0.2972



0.9593, 0.5452, 0.2777

Inverse Universe

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



19.9251, 0.5824, 0.2987



21.7464, 0.5853, 0.2998



46.2726, 0.2065, 0.2629



16.5610, 0.3248, 0.3222



10.7204, 0.5806, 0.2972



0.9593, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 19.9238, 0.5824, 0.2987 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 19.9238, 0.5824, 0.2987 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 19.9238, 0.5824, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 19.9238, 0.5824, 0.2987.



This preview shows how white text looks on a background with the Yxy color 19.9238, 0.5824, 0.2987.

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

19.9238, 0.5824, 0.2987

Protanopia

20.3021, 0.3412, 0.3604

Deuteranopia

20.3899, 0.4299, 0.4226



Tritanopia

20.1737, 0.6236, 0.3319

Trichromacy



Original Color

19.9238, 0.5824, 0.2987



Protanomaly

15.3161, 0.4415, 0.3087



Deuteranomaly

16.1038, 0.5129, 0.3441



Tritanomaly

19.8589, 0.6146, 0.3217

Monochromacy



Original Color

19.9238, 0.5824, 0.2987



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.9536, 0.4446, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9238, 0.5824, 0.2987 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(245, 2, 72)` looks like.

```
.text, #text, p{  
  color:rgb(245, 2, 72)  
}
```

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(245, 2, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 2, 72) }
```

Border

The CSS property to change the border of an element to Yxy 19.9238, 0.5824, 0.2987 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(245, 2, 72) }
```

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

```
.border{ border-color:rgb(245, 2, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 2, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 2, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 2, 72);  
box-shadow:4px 4px 4px 4px rgb(245, 2, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9238, 0.5824, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 2, 72) }
```

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

```
.background{ background-color: rgb(245, 2,  
72) }
```

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