

Converting Colors

$Yxy(21.9788, 0.5847, 0.3064)$

Have a look what the booklet for
Yxy(21.9788, 0.5847, 0.3064)
contains.

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Color

Yxy(21.9781, 0.5846, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	FD1846
RGB	253, 24, 70
RGB Percent	99%, 9%, 27%
CMY	0.0078, 0.9062, 0.7254
CMYK	0.00, 0.91, 0.72, 0.01
HSL	348°, 98%, 54%
HSV	348°, 91%, 99%
XYZ	41.9471, 21.9781, 7.8283
YIQ	97.7150, 121.7180, 62.8540

Conversions

Conversions Part 2

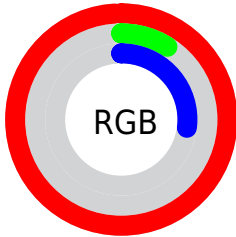
Format	Color
R_{YB}	253, 24, 70
Decimal	16586822
CIE Lab	54.00, 78.94, 37.53
CIE LCh	54, 87.406, 25.430
Yxy	21.9781, 0.5846, 0.3063
Android (android.graphics.Color)	4294776902 (0xFFFD1846)
YUV	97.7150, -13.6635, 136.1849
Hunter-Lab	46.8808, 77.6734, 22.9161

Details

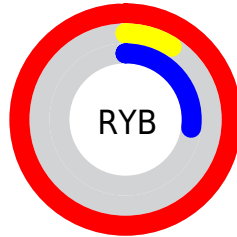
The Yxy color **21.9781, 0.5846, 0.3063** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **74.9601, 0.2426, 0.3890**, and the grayscale version is **12.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2685, 0.4821, 0.3151**, and **10.6439, 0.6207, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **21.1253, 0.6112, 0.3140**, and if you desaturate by 10%, it is **23.8445, 0.5479, 0.3005**.

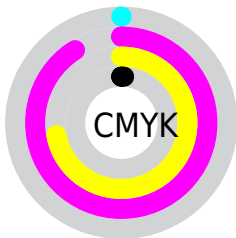
Distribution



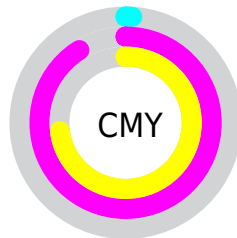
- Red (99%)
- Green (9%)
- Blue (27%)



- Red (99%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (91%)
- Yellow (72%)
- Black (1%)





- Cyan (1%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9781, 0.5846, 0.3063 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 21.9781, 0.5846, 0.3063 by changing the saturation by 10% instead.


 21.9781, 0.5846,
0.3063


 21.9781, 0.5846,
0.3063


262.4319, 0.4360,
0.3314


 13.8408, 0.6225,
0.2945


 46.7098, 0.5291,
0.3194


 8.0100, 0.6696,
0.2762


 64.0730, 0.5085,
0.3231

 4.1014, 0.7343,
0.2494

 85.2803, 0.4913,
0.3257

 1.7304, 0.7988,
0.2012

 110.7161, 0.4768,
0.3276

 0.4432, 0.8854,
0.1146

 140.7647, 0.4643,
0.3290

 0.0000, 1.0000,
0.0000

175.8106, 0.4536,

 0.0000, 0.0000,

0.3300

0.0000

216.2382, 0.4442,
0.3308

■ 21.9781, 0.5846,
0.3063

■ 21.9781, 0.5846,
0.3063

■ 21.1253, 0.6112,
0.3140


■ 23.8445, 0.5479,
0.3005


■ 26.9905, 0.5065,
0.2982

■ 31.5977, 0.4653,
0.2993

■ 37.8172, 0.4277,
0.3026

■ 45.7812, 0.3951,
0.3074

 55.6081, 0.3680,
0.3128

 67.4059, 0.3459,
0.3183

 81.2743, 0.3279,
0.3237

 97.3064, 0.3134,
0.3287

Harmonies

Analogous

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



21.9781, 0.4706, 0.2313



21.9781, 0.5846, 0.3063



21.9781, 0.5834, 0.3888

Triad

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



21.9781, 0.5846, 0.3063



21.9781, 0.2555, 0.6089



21.9781, 0.1190, 0.1343

Complementary

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



21.9781, 0.5846, 0.3063



74.9601, 0.2426, 0.3890

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.



21.9781, 0.0927, 0.1671



21.9781, 0.5846, 0.3063



21.9781, 0.1518, 0.4439

Square

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



21.9781, 0.5846, 0.3063



21.9781, 0.3791, 0.5941



21.9781, 0.0998, 0.2607



21.9781, 0.1856, 0.1374

Rectangle

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



21.9781, 0.5846, 0.3063



21.9781, 0.5333, 0.4544



21.9781, 0.0998, 0.2607



21.9781, 0.1065, 0.1405

Sweetspot

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



21.9795, 0.5846, 0.3063



60.6113, 0.3597, 0.3148



20.4939, 0.2709, 0.1298



12.1430, 0.3677, 0.3129



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.



21.9795, 0.5846, 0.3063



21.5017, 0.6112, 0.3141



28.0697, 0.5801, 0.3681



18.0468, 0.3263, 0.3242



11.2519, 0.6077, 0.3121



1.1102, 0.5778, 0.2957

Inverse Universe

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



21.9795, 0.5846, 0.3063



21.5017, 0.6112, 0.3141



43.3005, 0.2020, 0.2421



18.0468, 0.3263, 0.3242



11.2519, 0.6077, 0.3121



1.1102, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 21.9781, 0.5846, 0.3063 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 21.9781, 0.5846, 0.3063 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 21.9781, 0.5846, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 21.9781, 0.5846, 0.3063.



This preview shows how white text looks on a background with the Yxy color 21.9781, 0.5846, 0.3063.

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

21.9781, 0.5846, 0.3063

Protanopia

22.0831, 0.3530, 0.3752

Deuteranopia

22.0384, 0.4373, 0.4280



Tritanopia

21.9964, 0.6176, 0.3314

Trichromacy



Original Color

21.9781, 0.5846, 0.3063

Protanomaly

17.9408, 0.4490, 0.3294

Deuteranomaly

18.6335, 0.5109, 0.3589

Tritanomaly

21.8649, 0.6089, 0.3239

Monochromacy



Original Color

21.9781, 0.5846, 0.3063

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0811, 0.4327, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9781, 0.5846, 0.3063 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(253, 24, 70)` looks like.

```
.text, #text, p{  
    color:rgb(253, 24, 70)  
}
```

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(253, 24, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 24, 70) }
```

Border

The CSS property to change the border of an element to Yxy 21.9781, 0.5846, 0.3063 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(253, 24, 70) }
```

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

```
.border{ border-color:rgb(253, 24, 70) }
```

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

Here you see how a box with a 4 pixel rgb(253, 24, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 24, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 24, 70);  
box-shadow:4px 4px 4px 4px rgb(253, 24,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9781, 0.5846, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 24, 70) }
```

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

```
.background{ background-color: rgb(253, 24,  
70) }
```

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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