

Converting Colors

$Y_{xy}(21.4890, 0.6252, 0.3231)$

Have a look what the booklet for
Yxy(21.4890, 0.6252, 0.3231)
contains.

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Color

Yxy(21.4840, 0.6250, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	FF0522
RGB	255, 5, 34
RGB Percent	100%, 2%, 13%
CMY	0.0000, 0.9803, 0.8668
CMYK	0.00, 0.98, 0.87, 0.00
HSL	353°, 100%, 51%
HSV	353°, 98%, 100%
XYZ	41.5841, 21.4840, 3.4664
YIQ	83.0560, 139.6910, 62.0190

Conversions

Conversions Part 2

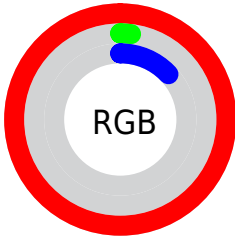
Format	Color
R_YB	255, 5, 34
Decimal	16712994
CIE Lab	53.48, 80.11, 56.40
CIE LCh	53, 97.975, 35.144
Yxy	21.4840, 0.6250, 0.3229
Android (android.graphics.Color)	4294903074 (0xFFFF0522)
YUV	83.0560, -24.1846, 150.7949
Hunter-Lab	46.3508, 79.0290, 28.0115

Details

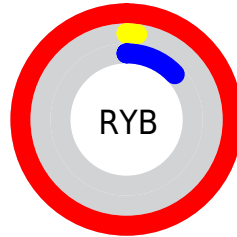
The Yxy color **21.4840, 0.6250, 0.3229** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **77.0466, 0.2350, 0.3654**, and the grayscale version is **8.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6046, 0.5287, 0.3433**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3513, 0.6288, 0.3237**, and if you desaturate by 10%, it is **22.5063, 0.5989, 0.3176**.

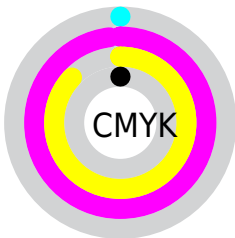
Distribution



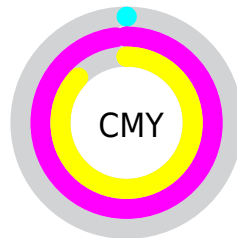
- Red (100%)
- Green (2%)
- Blue (13%)



- Red (100%)
- Yellow (2%)
- Blue (13%)



- Cyan (0%)
- Magenta (98%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4840, 0.6250, 0.3229 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 21.4840, 0.6250, 0.3229 by changing the saturation by 10% instead.


 21.4840, 0.6250,
0.3229


 21.4840, 0.6250,
0.3229


259.8396, 0.4610,
0.3484


 13.4782, 0.6616,
0.3079


 45.8917, 0.5671,
0.3387


 7.7587, 0.7098,
0.2868


 63.0624, 0.5445,
0.3427

 3.9409, 0.7515,
0.2485

 84.0568, 0.5252,
0.3452

 1.6406, 0.8047,
0.1953

 109.2595, 0.5086,
0.3468

 0.3847, 0.8972,
0.1028

 139.0547, 0.4942,
0.3477

 0.0000, 1.0000,
0.0000


 173.8268, 0.4817,


 0.0000, 0.0000,


0.3482

0.0000

 213.9604, 0.4707,
0.3484


 21.4840, 0.6250,
0.3229

 21.4840, 0.6250,
0.3229

 21.3513, 0.6288,
0.3237

 22.5063, 0.5989,
0.3176

 24.6569, 0.5609,
0.3138

 28.1759, 0.5165,
0.3123

 33.2414, 0.4718,
0.3128

 40.0047, 0.4311,
0.3147

■ 48.5989, 0.3962,
0.3174

■ 59.1440, 0.3673,
0.3205

■ 71.7497, 0.3439,
0.3237

■ 86.5176, 0.3251,
0.3267

Harmonies

Analogous

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



21.4840, 0.5427, 0.2450



21.4840, 0.6250, 0.3229



21.4840, 0.5806, 0.4150

Triad

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



21.4840, 0.6250, 0.3229



21.4840, 0.2017, 0.6105



21.4840, 0.1213, 0.1171

Complementary

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



21.4840, 0.6250, 0.3229



77.0466, 0.2350, 0.3654

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.



21.4840, 0.0828, 0.1357



21.4840, 0.6250, 0.3229



21.4840, 0.1104, 0.3791

Square

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



21.4840, 0.6250, 0.3229



21.4840, 0.3284, 0.6462



21.4840, 0.0772, 0.2067



21.4840, 0.2083, 0.1306

Rectangle

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



21.4840, 0.6250, 0.3229



21.4840, 0.5078, 0.4922



21.4840, 0.0772, 0.2067



21.4840, 0.1042, 0.1193

Sweetspot

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



21.4846, 0.6250, 0.3229



58.0289, 0.3699, 0.3202



23.4716, 0.2917, 0.1385



11.4232, 0.3817, 0.3189



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.



21.4846, 0.6250, 0.3229



21.3513, 0.6288, 0.3237



30.5499, 0.5733, 0.3815



18.0213, 0.3276, 0.3263



11.1673, 0.6263, 0.3224



1.0978, 0.6028, 0.3095

Inverse Universe

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



21.4846, 0.6250, 0.3229



21.3513, 0.6288, 0.3237



32.1103, 0.1887, 0.1984



18.0213, 0.3276, 0.3263



11.1673, 0.6263, 0.3224



1.0978, 0.6028, 0.3095

Previews

White Background



This preview shows how the Yxy color 21.4840, 0.6250, 0.3229 looks on a white background.

Color Contrast Check

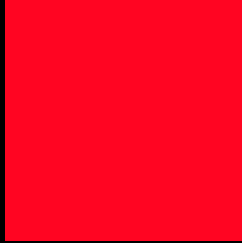
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4840, 0.6250, 0.3229 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 21.4840, 0.6250, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 21.4840, 0.6250, 0.3229.



This preview shows how white text looks on a background with the Yxy color 21.4840, 0.6250, 0.3229.

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

21.4840, 0.6250, 0.3229

Protanopia

21.8356, 0.4082, 0.4476

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.4840, 0.6250, 0.3229



Protanomaly

16.7527, 0.5204, 0.3711



Deuteranomaly

17.3543, 0.5654, 0.3829



Tritanomaly

21.4680, 0.6335, 0.3307

Monochromacy



Original Color

21.4840, 0.6250, 0.3229



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.2250, 0.4816, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4840, 0.6250, 0.3229 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(255, 5, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 34)  
}
```

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(255, 5, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.4840, 0.6250, 0.3229 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(255, 5, 34) }
```

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

```
.border{ border-color:rgb(255, 5, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 5, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 5, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4840, 0.6250, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 34) }
```

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

```
.background{ background-color: rgb(255, 5,  
34) }
```

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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