

Converting Colors

$Y_{xy}(21.2000, 0.6119, 0.3226)$

Have a look what the booklet for
Yxy(21.2000, 0.6119, 0.3226)
contains.

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Color

Yxy(21.1937, 0.6124, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	FA192B
RGB	250, 25, 43
RGB Percent	98%, 10%, 17%
CMY	0.0196, 0.9018, 0.8315
CMYK	0.00, 0.90, 0.83, 0.02
HSL	355°, 96%, 54%
HSV	355°, 90%, 98%
XYZ	40.2076, 21.1937, 4.2545
YIQ	94.3270, 128.3220, 53.2980

Conversions

Conversions Part 2

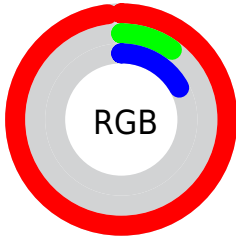
Format	Color
RYB	250, 25, 43
Decimal	16390443
CIELab	53.16, 77.23, 51.38
CIELCh	53, 92.761, 33.631
Yxy	21.1937, 0.6124, 0.3228
Android (android.graphics.Color)	4294580523 (0xFFFA192B)
YUV	94.3270, -25.3042, 136.5252
Hunter-Lab	46.0366, 75.3349, 26.7463

Details

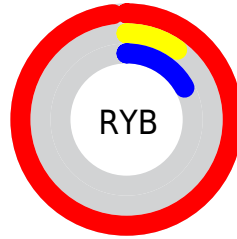
The Yxy color **21.1937, 0.6124, 0.3228** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **74.4078, 0.2322, 0.3514**, and the grayscale version is **11.3181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5009, 0.5168, 0.3403**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.3751, 0.6335, 0.3263**, and if you desaturate by 10%, it is **23.0016, 0.5775, 0.3197**.

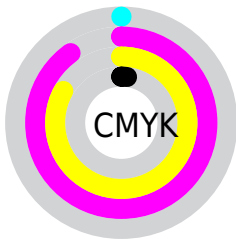
Distribution



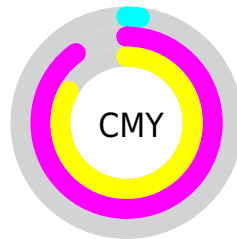
- Red (98%)
- Green (10%)
- Blue (17%)



- Red (98%)
- Yellow (10%)
- Blue (17%)



- Cyan (0%)
- Magenta (90%)
- Yellow (83%)
- Black (2%)





- Cyan (2%)
- Magenta (90%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1937, 0.6124, 0.3228 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 21.1937, 0.6124, 0.3228 by changing the saturation by 10% instead.


 21.1937, 0.6124,
0.3228


 21.1937, 0.6124,
0.3228


258.3061, 0.4524,
0.3456

 13.2657, 0.6498,
0.3091


 45.4097, 0.5548,
0.3370

 7.6117, 0.6963,
0.2884


 62.4664, 0.5326,
0.3405


 3.8475, 0.7464,
0.2536

 83.3348, 0.5139,
0.3427

 1.5886, 0.8000,
0.2000

 108.3994, 0.4979,
0.3441

 0.3499, 0.8987,
0.1013

 138.0443, 0.4841,
0.3449

 0.0000, 1.0000,
0.0000

 172.6542, 0.4721,

 0.0000, 0.0000,

0.3454

0.0000

212.6133, 0.4616,
0.3456

■ 21.1937, 0.6124,
0.3228

■ 21.1937, 0.6124,
0.3228

■ 20.3751, 0.6335,
0.3263

■ 23.0016, 0.5775,
0.3197


■ 20.3741, 0.6335,
0.3263


■ 26.0825, 0.5334,
0.3181

■ 30.6156, 0.4872,
0.3180


■ 36.7505, 0.4439,
0.3190

■ 44.6182, 0.4062,
0.3207

 54.3361, 0.3749,
0.3228

 66.0115, 0.3495,
0.3250

 79.7434, 0.3290,
0.3270

 95.6240, 0.3127,
0.3290

Harmonies

Analogous

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



21.1937, 0.5250, 0.2454



21.1937, 0.6124, 0.3228



21.1937, 0.5768, 0.4116

Triad

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



21.1937, 0.6124, 0.3228



21.1937, 0.2146, 0.6018



21.1937, 0.1243, 0.1233

Complementary

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



21.1937, 0.6124, 0.3228



74.4078, 0.2322, 0.3514

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.



21.1937, 0.0878, 0.1443



21.1937, 0.6124, 0.3228



21.1937, 0.1212, 0.3892

Square

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



21.1937, 0.6124, 0.3228



21.1937, 0.3397, 0.6303



21.1937, 0.0845, 0.2185



21.1937, 0.2069, 0.1351

Rectangle

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



21.1937, 0.6124, 0.3228



21.1937, 0.5127, 0.4873



21.1937, 0.0845, 0.2185



21.1937, 0.1079, 0.1262

Sweetspot

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



21.1950, 0.6124, 0.3228



60.2308, 0.3668, 0.3234



24.6300, 0.3018, 0.1468



12.0558, 0.3762, 0.3227



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.



21.1950, 0.6124, 0.3228



21.3117, 0.6336, 0.3264



33.5339, 0.5453, 0.3961



17.2477, 0.3282, 0.3271



10.8151, 0.6316, 0.3253



1.0092, 0.6128, 0.3150

Inverse Universe

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



21.1950, 0.6124, 0.3228



21.3117, 0.6336, 0.3264



30.9757, 0.1904, 0.1993



17.2477, 0.3282, 0.3271



10.8151, 0.6316, 0.3253



1.0092, 0.6128, 0.3150

Previews

White Background



This preview shows how the Yxy color 21.1937, 0.6124, 0.3228 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 21.1937, 0.6124, 0.3228 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 21.1937, 0.6124, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 21.1937, 0.6124, 0.3228.



This preview shows how white text looks on a background with the Yxy color 21.1937, 0.6124, 0.3228.

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

21.1937, 0.6124, 0.3228

Protanopia

21.5063, 0.3972, 0.4332

Deuteranopia

21.2955, 0.4657, 0.4581



Tritanopia

21.2607, 0.6249, 0.3321

Trichromacy



Original Color

21.1937, 0.6124, 0.3228

Protanomaly

17.6114, 0.4978, 0.3721

Deuteranomaly

18.0722, 0.5456, 0.3864

Tritanomaly

21.2482, 0.6209, 0.3292

Monochromacy



Original Color

21.1937, 0.6124, 0.3228

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3436, 0.4552, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1937, 0.6124, 0.3228 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(250, 25, 43)` looks like.

```
.text, #text, p{  
  color:rgb(250, 25, 43)  
}
```

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(250, 25, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 25, 43) }
```

Border

The CSS property to change the border of an element to Yxy 21.1937, 0.6124, 0.3228 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(250, 25, 43) }
```

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

```
.border{ border-color:rgb(250, 25, 43) }
```

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

Here you see how a box with a 4 pixel rgb(250, 25, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 25, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 25, 43);  
box-shadow:4px 4px 4px 4px rgb(250, 25,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1937, 0.6124, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 25, 43) }
```

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

```
.background{ background-color: rgb(250, 25,  
43) }
```

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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