

Converting Colors

$Yxy(21.9407, 0.6047, 0.3172)$

Have a look what the booklet for
Yxy(21.9407, 0.6047, 0.3172)
contains.

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Color

Yxy(21.9407, 0.6047, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	FE1735
RGB	254, 23, 53
RGB Percent	100%, 9%, 21%
CMY	0.0039, 0.9100, 0.7920
CMYK	0.00, 0.91, 0.79, 0.00
HSL	352°, 99%, 54%
HSV	352°, 91%, 100%
XYZ	41.8271, 21.9407, 5.4022
YIQ	95.4890, 128.0460, 58.3020

Conversions

Conversions Part 2

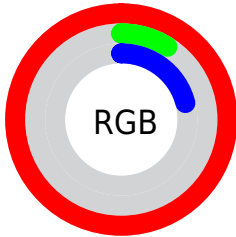
Format	Color
R_{YB}	254, 23, 53
Decimal	16652085
CIE _{Lab}	53.96, 78.75, 47.14
CIE _{LCh}	54, 91.775, 30.905
Yxy	21.9407, 0.6047, 0.3172
Android (android.graphics.Color)	4294842165 (0xFFFE1735)
YUV	95.4890, -20.9471, 139.0141
Hunter-Lab	46.8409, 77.4218, 25.9507

Details

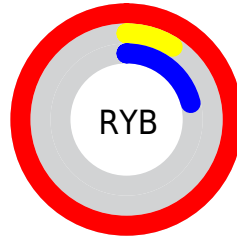
The Yxy color **21.9407, 0.6047, 0.3172** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.4537, 0.2364, 0.3670**, and the grayscale version is **11.5906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7023, 0.5039, 0.3305**, and **10.7133, 0.6346, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **21.1839, 0.6264, 0.3224**, and if you desaturate by 10%, it is **23.7267, 0.5693, 0.3125**.

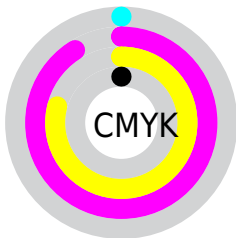
Distribution



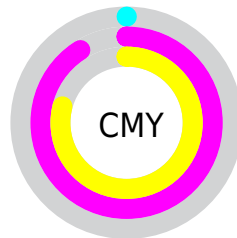
- Red (100%)
- Green (9%)
- Blue (21%)



- Red (100%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (91%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9407, 0.6047, 0.3172 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 21.9407, 0.6047, 0.3172 by changing the saturation by 10% instead.


 21.9407, 0.6047,
0.3172


 21.9407, 0.6047,
0.3172


262.2364, 0.4479,
0.3407


 13.8133, 0.6423,
0.3043


 46.6480, 0.5476,
0.3309


 7.9909, 0.6876,
0.2840


 63.9967, 0.5259,
0.3344

 4.0892, 0.7462,
0.2538

 85.1879, 0.5076,
0.3368

 1.7236, 0.7986,
0.2014

 110.6061, 0.4921,
0.3384

 0.4388, 0.8858,
0.1142

 140.6357, 0.4786,
0.3394

 0.0000, 1.0000,
0.0000

 175.6610, 0.4670,

 0.0000, 0.0000,

0.3401

0.0000

216.0665, 0.4569,
0.3405

■ 21.9407, 0.6047,
0.3172

■ 21.9407, 0.6047,
0.3172

■ 21.1839, 0.6264,
0.3224

■ 23.7267, 0.5693,
0.3125

■ 26.8063, 0.5262,
0.3102

■ 31.3673, 0.4817,
0.3102

■ 37.5655, 0.4402,
0.3121

■ 45.5371, 0.4042,
0.3150

■ 55.4040, 0.3741,
0.3184

■ 67.2772, 0.3496,
0.3220

■ 81.2591, 0.3299,
0.3254

■ 97.4454, 0.3141,
0.3287

Harmonies

Analogous

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



21.9407, 0.5071, 0.2404



21.9407, 0.6047, 0.3172



21.9407, 0.5801, 0.4034

Triad

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



21.9407, 0.6047, 0.3172



21.9407, 0.2281, 0.6067



21.9407, 0.1219, 0.1265

Complementary

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



21.9407, 0.6047, 0.3172



76.4537, 0.2364, 0.3670

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.



21.9407, 0.0889, 0.1512



21.9407, 0.6047, 0.3172



21.9407, 0.1307, 0.4084

Square

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



21.9407, 0.6047, 0.3172



21.9407, 0.3531, 0.6187



21.9407, 0.0889, 0.2319



21.9407, 0.1990, 0.1354

Rectangle

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



21.9407, 0.6047, 0.3172



21.9407, 0.5206, 0.4757



21.9407, 0.0889, 0.2319



21.9407, 0.1069, 0.1304

Sweetspot

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



21.9421, 0.6047, 0.3172



60.3862, 0.3638, 0.3198



23.4887, 0.2900, 0.1399



12.0913, 0.3727, 0.3186



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.



21.9421, 0.6047, 0.3172



21.3709, 0.6264, 0.3224



31.7926, 0.5609, 0.3846



18.0255, 0.3274, 0.3259



11.1785, 0.6237, 0.3210



1.0998, 0.5986, 0.3071

Inverse Universe

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



21.9421, 0.6047, 0.3172



21.3709, 0.6264, 0.3224



35.8236, 0.1942, 0.2141



18.0255, 0.3274, 0.3259



11.1785, 0.6237, 0.3210



1.0998, 0.5986, 0.3071

Previews

White Background



This preview shows how the Yxy color 21.9407, 0.6047, 0.3172 looks on a white background.

Color Contrast Check

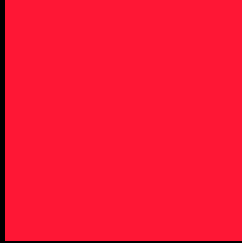
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9407, 0.6047, 0.3172 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 21.9407, 0.6047, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 21.9407, 0.6047, 0.3172.



This preview shows how white text looks on a background with the Yxy color 21.9407, 0.6047, 0.3172.

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

21.9407, 0.6047, 0.3172

Protanopia

22.2221, 0.3811, 0.4140

Deuteranopia

22.0738, 0.4568, 0.4484



Tritanopia

22.0612, 0.6245, 0.3321

Trichromacy



Original Color

21.9407, 0.6047, 0.3172

Protanomaly

17.8822, 0.4816, 0.3563

Deuteranomaly

18.7193, 0.5349, 0.3766

Tritanomaly

21.9702, 0.6194, 0.3275

Monochromacy



Original Color

21.9407, 0.6047, 0.3172

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.6077, 0.4484, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9407, 0.6047, 0.3172 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(254, 23, 53)` looks like.

```
.text, #text, p{  
  color:rgb(254, 23, 53)  
}
```

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(254, 23, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 23, 53) }
```

Border

The CSS property to change the border of an element to Yxy 21.9407, 0.6047, 0.3172 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(254, 23, 53) }
```

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

```
.border{ border-color:rgb(254, 23, 53) }
```

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

Here you see how a box with a 4 pixel rgb(254, 23, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 23, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 23, 53);  
box-shadow:4px 4px 4px 4px rgb(254, 23,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9407, 0.6047, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 23, 53) }
```

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

```
.background{ background-color: rgb(254, 23,  
53) }
```

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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