

Converting Colors

$Yxy(21.1863, 0.5925, 0.3037)$

Have a look what the booklet for
Yxy(21.1863, 0.5925, 0.3037)
contains.

Yxy(21.1007, 0.5924, 0.3037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1007, 0.5924, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	FC0043
RGB	252, 0, 67
RGB Percent	99%, 0%, 26%
CMY	0.0118, 0.9999, 0.7371
CMYK	0.00, 1.00, 0.73, 0.01
HSL	344°, 100%, 49%
HSV	344°, 100%, 99%
XYZ	41.1592, 21.1007, 7.2188
YIQ	82.9860, 128.6850, 74.2610

Conversions

Conversions Part 2

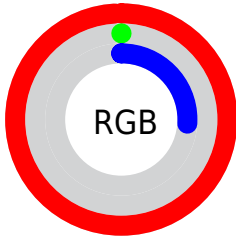
Format	Color
RYB	252, 0, 67
Decimal	16515139
CIELab	53.06, 80.61, 38.12
CIELCh	53, 89.169, 25.310
Yxy	21.1007, 0.5924, 0.3037
Android (android.graphics.Color)	4294705219 (0xFFFC0043)
YUV	82.9860, -7.8811, 148.2253
Hunter-Lab	45.9355, 79.5528, 22.8373

Details

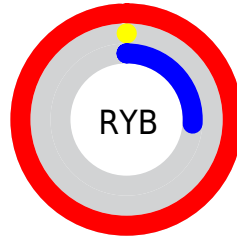
The Yxy color **21.1007, 0.5924, 0.3037** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **73.1245, 0.2498, 0.4193**, and the grayscale version is **8.6491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0472, 0.4895, 0.3126**, and **10.5093, 0.6226, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **21.1009, 0.5924, 0.3037**, and if you desaturate by 10%, it is **22.0654, 0.5624, 0.2943**.

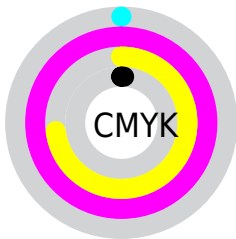
Distribution



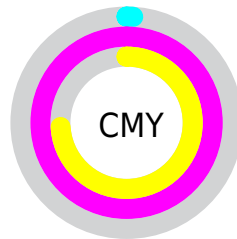
- Red (99%)
- Green (0%)
- Blue (26%)



- Red (99%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1007, 0.5924, 0.3037 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 21.1007, 0.5924, 0.3037 by changing the saturation by 10% instead.


 21.1007, 0.5924,
0.3037


 21.1007, 0.5924,
0.3037


257.8132, 0.4391,
0.3309


 13.1976, 0.6314,
0.2910

 45.2551, 0.5352,
0.3178


 7.5648, 0.6796,
0.2714


 62.2752, 0.5139,
0.3218

 3.8177, 0.7490,
0.2437

 83.1030, 0.4961,
0.3247

 1.5721, 0.8084,
0.1916

 108.1231, 0.4811,
0.3268

 0.3387, 0.9064,
0.0936

 137.7198, 0.4683,
0.3283

 0.0000, 1.0000,
0.0000

 172.2774, 0.4572,

 0.0000, 0.0000,

0.3294

0.0000

212.1804, 0.4475,
0.3303

■ 21.1007, 0.5924,
0.3037

■ 21.1007, 0.5924,
0.3037

■ 21.1009, 0.5924,
0.3037

■ 22.0654, 0.5624,
0.2943

■ 24.0145, 0.5262,
0.2885

■ 27.2329, 0.4874,
0.2870

■ 31.8953, 0.4499,
0.2893

■ 38.1484, 0.4159,
0.2943

■ 46.1207, 0.3867,
0.3008

■ 55.9276, 0.3623,
0.3080

■ 67.6744, 0.3422,
0.3153

■ 81.4582, 0.3259,
0.3224

Harmonies

Analogous

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



21.1007, 0.4749, 0.2282



21.1007, 0.5924, 0.3037



21.1007, 0.5894, 0.3867

Triad

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



21.1007, 0.5924, 0.3037



21.1007, 0.2523, 0.6201



21.1007, 0.1149, 0.1302

Complementary

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



21.1007, 0.5924, 0.3037



73.1245, 0.2498, 0.4193

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.



21.1007, 0.0884, 0.1630



21.1007, 0.5924, 0.3037



21.1007, 0.1472, 0.4487

Square

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



21.1007, 0.5924, 0.3037



21.1007, 0.3782, 0.6002



21.1007, 0.0951, 0.2581



21.1007, 0.1819, 0.1333

Rectangle

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



21.1007, 0.5924, 0.3037



21.1007, 0.5378, 0.4543



21.1007, 0.0951, 0.2581



21.1007, 0.1023, 0.1364

Sweetspot

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



21.1020, 0.5924, 0.3037



57.4163, 0.3623, 0.3080



17.3198, 0.2531, 0.1168



11.3296, 0.3721, 0.3049



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.



21.1020, 0.5924, 0.3037



21.6750, 0.5926, 0.3038



23.8060, 0.6141, 0.3506



17.3010, 0.3252, 0.3227



11.0123, 0.5883, 0.3014



1.0367, 0.5548, 0.2830

Inverse Universe

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



21.1020, 0.5924, 0.3037



21.6750, 0.5926, 0.3038



45.2610, 0.2029, 0.2503



17.3010, 0.3252, 0.3227



11.0123, 0.5883, 0.3014



1.0367, 0.5548, 0.2830

Previews

White Background



This preview shows how the Yxy color 21.1007, 0.5924, 0.3037 looks on a white background.

Color Contrast Check

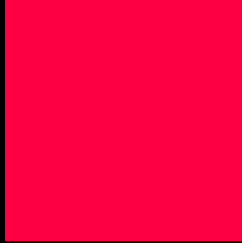
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1007, 0.5924, 0.3037 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 21.1007, 0.5924, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 21.1007, 0.5924, 0.3037.



This preview shows how white text looks on a background with the Yxy color 21.1007, 0.5924, 0.3037.

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

21.1007, 0.5924, 0.3037

Protanopia

21.5927, 0.3544, 0.3793

Deuteranopia

21.5563, 0.4387, 0.4313



Tritanopia

21.3868, 0.6268, 0.3325

Trichromacy



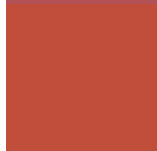
Original Color

21.1007, 0.5924, 0.3037



Protanomaly

16.0544, 0.4591, 0.3196



Deuteranomaly

17.1020, 0.5237, 0.3512



Tritanomaly

21.0692, 0.6203, 0.3241

Monochromacy



Original Color

21.1007, 0.5924, 0.3037



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.0113, 0.4532, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1007, 0.5924, 0.3037 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(252, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 67)  
}
```

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(252, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 21.1007, 0.5924, 0.3037 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(252, 0, 67) }
```

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

```
.border{ border-color:rgb(252, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1007, 0.5924, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 67) }
```

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

```
.background{ background-color: rgb(252, 0,  
67) }
```

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