

Converting Colors

$Yxy(21.0816, 0.6090, 0.3129)$

Have a look what the booklet for
Yxy(21.0816, 0.6090, 0.3129)
contains.

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Color

Yxy(21.1397, 0.6090, 0.3129)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FD0035 |
| RGB | 253, 0, 53 |
| RGB Percent | 99%, 0%, 21% |
| CMY | 0.0079, 0.9990, 0.7923 |
| CMYK | 0.00, 1.00, 0.79, 0.01 |
| HSL | 347°, 100%, 50% |
| HSV | 347°, 100%, 99% |
| XYZ | 41.1444, 21.1397, 5.2765 |
| YIQ | 81.6890, 133.7750, 70.1190 |

Conversions

Conversions Part 2

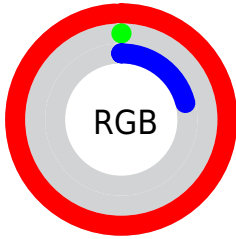
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 253, 0, 53 |
| Decimal | 16580661 |
| CIE Lab | 53.10, 80.38, 46.23 |
| CIE LCh | 53, 92.724, 29.902 |
| Yxy | 21.1397, 0.6090, 0.3129 |
| Android (android.graphics.Color) | 4294770741 (0xFFFD0035) |
| YUV | 81.6890, -14.1437, 150.2397 |
| Hunter-Lab | 45.9779, 79.2734, 25.3804 |

Details

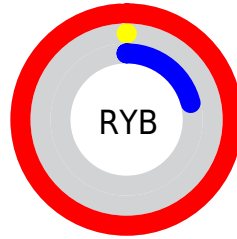
The Yxy color **21.1397, 0.6090, 0.3129** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **74.4212, 0.2440, 0.3985**, and the grayscale version is **8.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7295, 0.5086, 0.3269**, and **10.4610, 0.6345, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **21.1334, 0.6092, 0.3130**, and if you desaturate by 10%, it is **22.0790, 0.5803, 0.3046**.

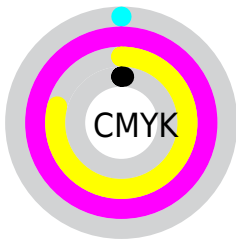
Distribution



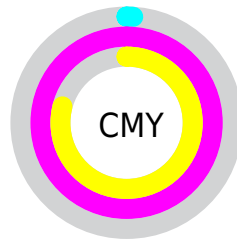
- Red (99%)
- Green (0%)
- Blue (21%)



- Red (99%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1397, 0.6090, 0.3129 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 21.1397, 0.6090, 0.3129 by changing the saturation by 10% instead.


 21.1397, 0.6090,
0.3129


 21.1397, 0.6090,
0.3129


258.0200, 0.4491,
0.3388


 13.2262, 0.6476,
0.2993


 45.3199, 0.5506,
0.3276

 7.5845, 0.6942,
0.2780


 62.3554, 0.5285,
0.3315


 3.8302, 0.7538,
0.2462

 83.2003, 0.5098,
0.3341

 1.5791, 0.8076,
0.1924

 108.2390, 0.4939,
0.3359

 0.3434, 0.9051,
0.0949

 137.8559, 0.4803,
0.3371

 0.0000, 1.0000,
0.0000

 172.4355, 0.4685,

 0.0000, 0.0000,

0.3379

0.0000

212.3620, 0.4582,
0.3385

■ 21.1397, 0.6090,
0.3129

■ 21.1397, 0.6090,
0.3129

■ 21.1334, 0.6092,
0.3130

■ 22.0790, 0.5803,
0.3046

■ 24.0246, 0.5431,
0.2989

■ 27.2623, 0.5019,
0.2970

■ 31.9697, 0.4612,
0.2983

■ 38.2962, 0.4243,
0.3019

■ 46.3727, 0.3925,
0.3070

■ 56.3167, 0.3659,
0.3126

■ 68.2353, 0.3443,
0.3183

■ 82.2277, 0.3267,
0.3239

Harmonies

Analogous

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



21.1397, 0.5059, 0.2361



21.1397, 0.6090, 0.3129



21.1397, 0.5860, 0.3990

Triad

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



21.1397, 0.6090, 0.3129



21.1397, 0.2292, 0.6182



21.1397, 0.1176, 0.1239

Complementary

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



21.1397, 0.6090, 0.3129



74.4212, 0.2440, 0.3985

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.



21.1397, 0.0856, 0.1499



21.1397, 0.6090, 0.3129



21.1397, 0.1296, 0.4175

Square

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



21.1397, 0.6090, 0.3129



21.1397, 0.3559, 0.6211



21.1397, 0.0864, 0.2336



21.1397, 0.1933, 0.1319

Rectangle

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



21.1397, 0.6090, 0.3129



21.1397, 0.5269, 0.4727



21.1397, 0.0864, 0.2336



21.1397, 0.1029, 0.1282

Sweetspot

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



21.1411, 0.6090, 0.3129



57.2157, 0.3662, 0.3125



19.1324, 0.2656, 0.1237



11.2833, 0.3768, 0.3101



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.



21.1411, 0.6090, 0.3129



21.5187, 0.6093, 0.3130



25.4966, 0.6031, 0.3592



18.0490, 0.3261, 0.3241



11.2612, 0.6057, 0.3110



1.1115, 0.5755, 0.2944

Inverse Universe

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



21.1411, 0.6090, 0.3129



21.5187, 0.6093, 0.3130



40.2930, 0.1979, 0.2322



18.0490, 0.3261, 0.3241



11.2612, 0.6057, 0.3110



1.1115, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 21.1397, 0.6090, 0.3129 looks on a white background.

Color Contrast Check

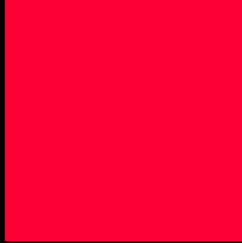
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1397, 0.6090, 0.3129 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 21.1397, 0.6090, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 21.1397, 0.6090, 0.3129.



This preview shows how white text looks on a background with the Yxy color 21.1397, 0.6090, 0.3129.

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

21.1397, 0.6090, 0.3129

Protanopia

21.6079, 0.3811, 0.4114

Deuteranopia

21.6175, 0.4558, 0.4486



Tritanopia

21.2802, 0.6336, 0.3332

Trichromacy



Original Color

21.1397, 0.6090, 0.3129



Protanomaly

16.3133, 0.4896, 0.3441



Deuteranomaly

17.0853, 0.5446, 0.3664



Tritanomaly

21.0675, 0.6299, 0.3281

Monochromacy



Original Color

21.1397, 0.6090, 0.3129



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.8402, 0.4678, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1397, 0.6090, 0.3129 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, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 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(253, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 53) }
```

Border

The CSS property to change the border of an element to Yxy 21.1397, 0.6090, 0.3129 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, 0, 53) }
```

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

```
.border{ border-color:rgb(253, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1397, 0.6090, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 53) }
```

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

```
.background{ background-color: rgb(253, 0,  
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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