

Converting Colors

$Yxy(21.0409, 0.6202, 0.3190)$

Have a look what the booklet for
Yxy(21.0409, 0.6202, 0.3190)
contains.

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Color

Yxy(21.0427, 0.6203, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	FD0029
RGB	253, 0, 41
RGB Percent	99%, 0%, 16%
CMY	0.0079, 0.9994, 0.8395
CMYK	0.00, 1.00, 0.84, 0.01
HSL	350°, 100%, 50%
HSV	350°, 100%, 99%
XYZ	40.9050, 21.0427, 3.9962
YIQ	80.3210, 137.6270, 66.3870

Conversions

Conversions Part 2

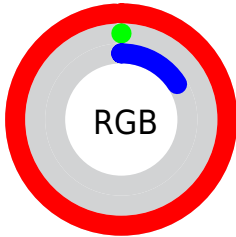
Format	Color
RYB	253, 0, 41
Decimal	16580649
CIELab	53.00, 80.10, 52.49
CIElCh	53, 95.770, 33.239
Yxy	21.0427, 0.6203, 0.3191
Android (android.graphics.Color)	4294770729 (0xFFFD0029)
YUV	80.3210, -19.3853, 151.4395
Hunter-Lab	45.8723, 78.8944, 26.9455

Details

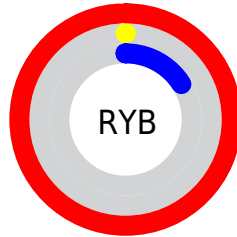
The Yxy color **21.0427, 0.6203, 0.3191** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.0113, 0.2394, 0.3818**, and the grayscale version is **8.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5140, 0.5228, 0.3375**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.0396, 0.6204, 0.3191**, and if you desaturate by 10%, it is **21.9455, 0.5937, 0.3122**.

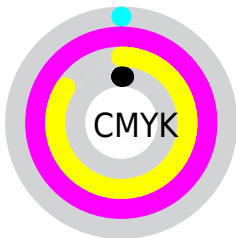
Distribution



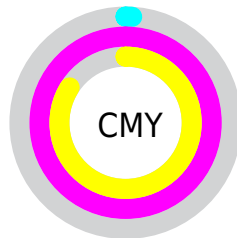
- Red (99%)
- Green (0%)
- Blue (16%)



- Red (99%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0427, 0.6203, 0.3191 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 21.0427, 0.6203, 0.3191 by changing the saturation by 10% instead.


 21.0427, 0.6203,
0.3191


 21.0427, 0.6203,
0.3191


257.5053, 0.4567,
0.3449


 13.1552, 0.6580,
0.3044


 45.1586, 0.5617,
0.3346

 7.5355, 0.7056,
0.2829


 62.1558, 0.5391,
0.3385


 3.7992, 0.7537,
0.2463

 82.9583, 0.5199,
0.3411

 1.5619, 0.8077,
0.1923

 107.9506, 0.5035,
0.3427

 0.3317, 0.9069,
0.0931

 137.5171, 0.4893,
0.3438

 0.0000, 1.0000,
0.0000

 172.0421, 0.4770,

 0.0000, 0.0000,

0.3444

0.0000

211.9101, 0.4662,
0.3447

■ 21.0427, 0.6203,
0.3191

■ 21.0427, 0.6203,
0.3191

■ 21.0396, 0.6204,
0.3191

■ 21.9455, 0.5937,
0.3122

■ 23.8578, 0.5567,
0.3071

■ 27.0693, 0.5140,
0.3050

■ 31.7592, 0.4710,
0.3056

■ 38.0785, 0.4316,
0.3082

■ 46.1593, 0.3975,
0.3120

■ 56.1204, 0.3693,
0.3163

■ 68.0698, 0.3462,
0.3207

■ 82.1078, 0.3276,
0.3250

Harmonies

Analogous

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



21.0427, 0.5298, 0.2415



21.0427, 0.6203, 0.3191



21.0427, 0.5833, 0.4088

Triad

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



21.0427, 0.6203, 0.3191



21.0427, 0.2114, 0.6151



21.0427, 0.1195, 0.1191

Complementary

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



21.0427, 0.6203, 0.3191



75.0113, 0.2394, 0.3818

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.



21.0427, 0.0834, 0.1404



21.0427, 0.6203, 0.3191



21.0427, 0.1168, 0.3935

Square

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



21.0427, 0.6203, 0.3191



21.0427, 0.3385, 0.6377



21.0427, 0.0801, 0.2160



21.0427, 0.2023, 0.1307

Rectangle

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



21.0427, 0.6203, 0.3191



21.0427, 0.5152, 0.4848



21.0427, 0.0801, 0.2160



21.0427, 0.1033, 0.1221

Sweetspot

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



21.0441, 0.6203, 0.3191



57.0544, 0.3694, 0.3163



20.9220, 0.2783, 0.1307



11.2462, 0.3807, 0.3144



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.



21.0441, 0.6203, 0.3191



21.4209, 0.6205, 0.3192



27.2902, 0.5909, 0.3689



18.0348, 0.3269, 0.3252



11.2069, 0.6174, 0.3175



1.1041, 0.5897, 0.3022

Inverse Universe

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



21.0441, 0.6203, 0.3191



21.4209, 0.6205, 0.3192



35.3621, 0.1928, 0.2139



18.0348, 0.3269, 0.3252



11.2069, 0.6174, 0.3175



1.1041, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 21.0427, 0.6203, 0.3191 looks on a white background.

Color Contrast Check

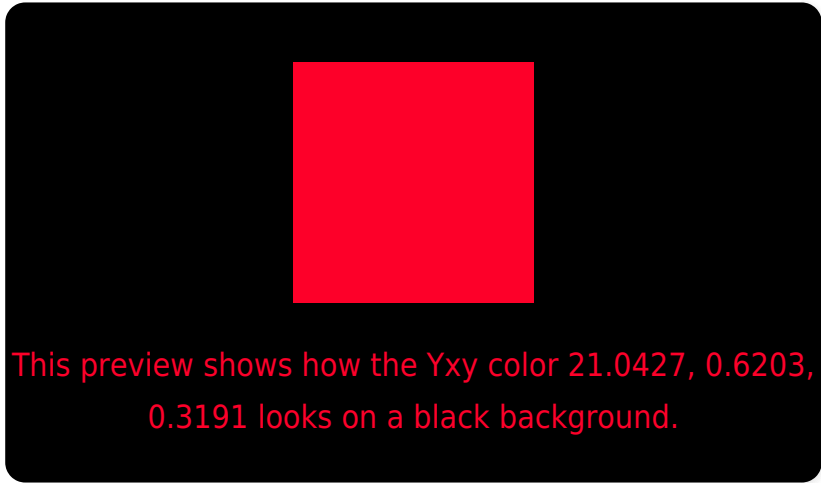
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 21.0427, 0.6203, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 21.0427, 0.6203, 0.3191.



This preview shows how white text looks on a background with the Yxy color 21.0427, 0.6203, 0.3191.

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

21.0427, 0.6203, 0.3191

Protanopia

21.4944, 0.3981, 0.4347

Deuteranopia

21.3758, 0.4696, 0.4607



Tritanopia

21.3082, 0.6346, 0.3343

Trichromacy



Original Color

21.0427, 0.6203, 0.3191



Protanomaly

16.2751, 0.5108, 0.3607



Deuteranomaly

16.9640, 0.5632, 0.3777



Tritanomaly

21.0716, 0.6326, 0.3299

Monochromacy



Original Color

21.0427, 0.6203, 0.3191



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.6006, 0.4786, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0427, 0.6203, 0.3191 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, 41)` looks like.

```
.text, #text, p{  
  color:rgb(253, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 41) }
```

Border

The CSS property to change the border of an element to Yxy 21.0427, 0.6203, 0.3191 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, 41) }
```

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

```
.border{ border-color:rgb(253, 0, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.0427, 0.6203, 0.3191 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, 41) }
```

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

```
.background{ background-color: rgb(253, 0,  
41) }
```

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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