

Converting Colors

$Y_{xy}(19.9720, 0.6225, 0.3203)$

Have a look what the booklet for
Yxy(19.9720, 0.6225, 0.3203)
contains.

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Color

Yxy(19.9077, 0.6225, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	F70025
RGB	247, 0, 37
RGB Percent	97%, 0%, 15%
CMY	0.0314, 0.9996, 0.8548
CMYK	0.00, 1.00, 0.85, 0.03
HSL	351°, 100%, 48%
HSV	351°, 100%, 97%
XYZ	38.6904, 19.9077, 3.5552
YIQ	78.0710, 135.3350, 63.8710

Conversions

Conversions Part 2

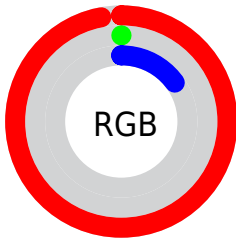
Format	Color
R_{YB}	247, 0, 37
Decimal	16187429
CIE _{Lab}	51.73, 78.61, 52.86
CIE _{LCh}	52, 94.727, 33.917
Yxy	19.9077, 0.6225, 0.3203
Android (android.graphics.Color)	4294377509 (0xFFFF70025)
YUV	78.0710, -20.2480, 148.1507
Hunter-Lab	44.6180, 76.7042, 26.5084

Details

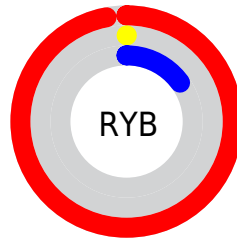
The Yxy color **19.9077, 0.6225, 0.3203** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **71.1754, 0.2382, 0.3776**, and the grayscale version is **7.6650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0845, 0.5289, 0.3390**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.9061, 0.6226, 0.3203**, and if you desaturate by 10%, it is **20.7657, 0.5964, 0.3139**.

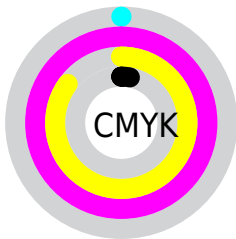
Distribution



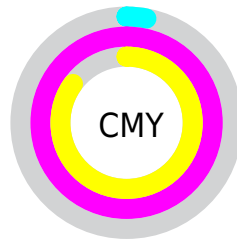
- Red (97%)
- Green (0%)
- Blue (15%)



- Red (97%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9077, 0.6225, 0.3203 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 19.9077, 0.6225, 0.3203 by changing the saturation by 10% instead.


 19.9077, 0.6225,
0.3203


 19.9077, 0.6225,
0.3203

251.4150, 0.4568,
0.3461


 12.3280, 0.6607,
0.3051


 43.2624, 0.5631,
0.3362

 6.9675, 0.7113,
0.2835


 59.8061, 0.5401,
0.3401

 3.4418, 0.7562,
0.2438

 80.1067, 0.5207,
0.3427

 1.3665, 0.8123,
0.1877

 104.5484, 0.5041,
0.3443

 0.1918, 0.9366,
0.0634

 133.5157, 0.4897,
0.3453

 0.0000, 1.0000,
0.0000

 167.3929, 0.4773,


 0.0000, 0.0000,


0.3458

0.0000


 206.5646, 0.4664,
0.3461


 19.9077, 0.6225,
0.3203


 19.9077, 0.6225,
0.3203


 19.9061, 0.6226,
0.3203

 20.7657, 0.5964,
0.3139

 22.5771, 0.5596,
0.3090

 25.6188, 0.5165,
0.3069

 30.0601, 0.4731,
0.3074

 36.0437, 0.4332,
0.3098

■ 43.6944, 0.3987,
0.3133

■ 53.1245, 0.3700,
0.3172

■ 64.4362, 0.3466,
0.3213

■ 77.7241, 0.3278,
0.3253

Harmonies

Analogous

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



19.9077, 0.5348, 0.2426



19.9077, 0.6225, 0.3203



19.9077, 0.5830, 0.4111

Triad

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



19.9077, 0.6225, 0.3203



19.9077, 0.2077, 0.6142



19.9077, 0.1199, 0.1182

Complementary

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



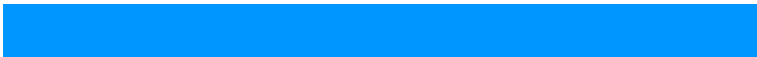
19.9077, 0.6225, 0.3203



71.1754, 0.2382, 0.3776

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.



19.9077, 0.0829, 0.1385



19.9077, 0.6225, 0.3203



19.9077, 0.1142, 0.3885

Square

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



19.9077, 0.6225, 0.3203



19.9077, 0.3348, 0.6413



19.9077, 0.0788, 0.2124



19.9077, 0.2043, 0.1305

Rectangle

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



19.9077, 0.6225, 0.3203



19.9077, 0.5127, 0.4873



19.9077, 0.0788, 0.2124



19.9077, 0.1034, 0.1208

Sweetspot

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



19.9090, 0.6225, 0.3203



57.0151, 0.3702, 0.3172



20.4132, 0.2826, 0.1331



11.2372, 0.3817, 0.3155



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.



19.9090, 0.6225, 0.3203



21.4008, 0.6229, 0.3205



26.5117, 0.5864, 0.3726



16.5229, 0.3270, 0.3255



10.5409, 0.6196, 0.3187



0.9384, 0.5895, 0.3021

Inverse Universe

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



19.9090, 0.6225, 0.3203



21.4008, 0.6229, 0.3205



32.0600, 0.1911, 0.2080



16.5229, 0.3270, 0.3255



10.5409, 0.6196, 0.3187



0.9384, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 19.9077, 0.6225, 0.3203 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 19.9077, 0.6225, 0.3203 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 19.9077, 0.6225, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 19.9077, 0.6225, 0.3203.



This preview shows how white text looks on a background with the Yxy color 19.9077, 0.6225, 0.3203.

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

19.9077, 0.6225, 0.3203

Protanopia

20.4074, 0.4018, 0.4395

Tritanopia

20.1666, 0.6347, 0.3343

Trichromacy



Original Color

19.9077, 0.6225, 0.3203

Protanomaly

15.4502, 0.5156, 0.3646

Tritanomaly

19.9360, 0.6332, 0.3301

Monochromacy



Original Color

19.9077, 0.6225, 0.3203

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.1291, 0.4802, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9077, 0.6225, 0.3203 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(247, 0, 37)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 37)  
}
```

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(247, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 37) }
```

Border

The CSS property to change the border of an element to Yxy 19.9077, 0.6225, 0.3203 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(247, 0, 37) }
```

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

```
.border{ border-color:rgb(247, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to Yxy 19.9077, 0.6225, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 37) }
```

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

```
.background{ background-color: rgb(247, 0,  
37) }
```

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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