

Converting Colors

$Yxy(18.4187, 0.6330, 0.2981)$

Have a look what the booklet for
Yxy(18.4187, 0.6330, 0.2981)
contains.

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Color

Yxy(20.7226, 0.6136, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	FB0030
RGB	251, 0, 48
RGB Percent	98%, 0%, 19%
CMY	0.0157, 0.9995, 0.8120
CMYK	0.00, 1.00, 0.81, 0.02
HSL	349°, 100%, 49%
HSV	349°, 100%, 98%
XYZ	40.3151, 20.7226, 4.6649
YIQ	80.5210, 134.1880, 68.1400

Conversions

Conversions Part 2

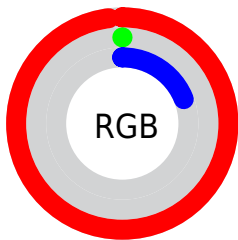
Format	Color
RYB	251, 0, 48
Decimal	16449584
CIELab	52.64, 79.79, 48.37
CIElCh	53, 93.310, 31.224
Yxy	20.7226, 0.6136, 0.3154
Android (android.graphics.Color)	4294639664 (0xFFFB0030)
YUV	80.5210, -16.0329, 149.5101
Hunter-Lab	45.5221, 78.4189, 25.7897

Details

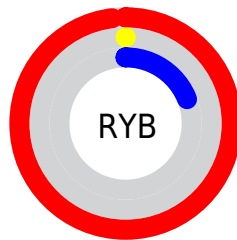
The Yxy color **20.7226, 0.6136, 0.3154** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **73.3124, 0.2423, 0.3921**, and the grayscale version is **8.1546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4520, 0.5154, 0.3305**, and **10.1991, 0.6378, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **20.7204, 0.6137, 0.3154**, and if you desaturate by 10%, it is **21.6336, 0.5856, 0.3076**.

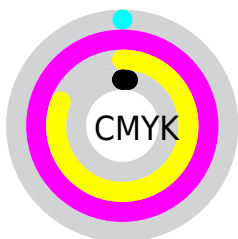
Distribution



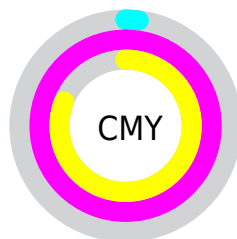
- Red (98%)
- Green (0%)
- Blue (19%)



- Red (98%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7226, 0.6136, 0.3154 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 20.7226, 0.6136, 0.3154 by changing the saturation by 10% instead.


 20.7226, 0.6136,
0.3154


 20.7226, 0.6136,
0.3154


255.8006, 0.4516,
0.3412


 12.9214, 0.6522,
0.3013


 44.6254, 0.5547,
0.3304


 7.3744, 0.6994,
0.2796


 61.4958, 0.5323,
0.3343

 3.6974, 0.7546,
0.2454

 82.1580, 0.5134,
0.3369

 1.5057, 0.8092,
0.1908

 106.9965, 0.4972,
0.3386

 0.2928, 0.9143,
0.0857

 136.3956, 0.4834,
0.3398

 0.0000, 1.0000,
0.0000

 170.7397, 0.4713,

 0.0000, 0.0000,

0.3405

0.0000

210.4132, 0.4608,
0.3409

■ 20.7226, 0.6136,
0.3154

■ 20.7226, 0.6136,
0.3154

■ 20.7204, 0.6137,
0.3154

■ 21.6336, 0.5856,
0.3076

■ 23.5313, 0.5484,
0.3021

■ 26.6996, 0.5066,
0.3000

■ 31.3133, 0.4650,
0.3011

■ 37.5197, 0.4271,
0.3043

■ 45.4475, 0.3944,
0.3088

■ 55.2125, 0.3673,
0.3140

■ 66.9202, 0.3451,
0.3192

■ 80.6683, 0.3271,
0.3243

Harmonies

Analogous

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



20.7226, 0.5152, 0.2382



20.7226, 0.6136, 0.3154



20.7226, 0.5850, 0.4028

Triad

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



20.7226, 0.6136, 0.3154



20.7226, 0.2223, 0.6172



20.7226, 0.1183, 0.1220

Complementary

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



20.7226, 0.6136, 0.3154



73.3124, 0.2423, 0.3921

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.



20.7226, 0.0847, 0.1461



20.7226, 0.6136, 0.3154



20.7226, 0.1245, 0.4082

Square

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



20.7226, 0.6136, 0.3154



20.7226, 0.3492, 0.6276



20.7226, 0.0839, 0.2266



20.7226, 0.1968, 0.1315

Rectangle

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



20.7226, 0.6136, 0.3154



20.7226, 0.5225, 0.4775



20.7226, 0.0839, 0.2266



20.7226, 0.1031, 0.1258

Sweetspot

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



20.7239, 0.6136, 0.3154



57.1540, 0.3674, 0.3139



19.3601, 0.2698, 0.1260



11.2691, 0.3783, 0.3117



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.



20.7239, 0.6136, 0.3154



21.4784, 0.6139, 0.3155



25.5931, 0.5992, 0.3624



17.2793, 0.3264, 0.3245



10.9077, 0.6102, 0.3135



1.0242, 0.5792, 0.2965

Inverse Universe

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



20.7239, 0.6136, 0.3154



21.4784, 0.6139, 0.3155



37.9118, 0.1962, 0.2261



17.2793, 0.3264, 0.3245



10.9077, 0.6102, 0.3135



1.0242, 0.5792, 0.2965

Previews

White Background



This preview shows how the Yxy color 20.7226, 0.6136, 0.3154 looks on a white background.

Color Contrast Check

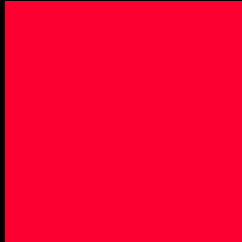
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7226, 0.6136, 0.3154 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 20.7226, 0.6136, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 20.7226, 0.6136, 0.3154.



This preview shows how white text looks on a background with the Yxy color 20.7226, 0.6136, 0.3154.

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

20.7226, 0.6136, 0.3154

Protanopia

21.1757, 0.3871, 0.4202

Deuteranopia

21.2322, 0.4600, 0.4533



Tritanopia

20.8978, 0.6349, 0.3341

Trichromacy



Original Color

20.7226, 0.6136, 0.3154



Protanomaly

15.9698, 0.4985, 0.3504



Deuteranomaly

16.7666, 0.5516, 0.3707



Tritanomaly

20.6785, 0.6320, 0.3293

Monochromacy



Original Color

20.7226, 0.6136, 0.3154



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.7253, 0.4708, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7226, 0.6136, 0.3154 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(251, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 48)  
}
```

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(251, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.7226, 0.6136, 0.3154 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(251, 0, 48) }
```

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

```
.border{ border-color:rgb(251, 0, 48) }
```

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

Here you see how a box with a 4 pixel rgb(251, 0, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(251, 0, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7226, 0.6136, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 48) }
```

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

```
.background{ background-color: rgb(251, 0,  
48) }
```

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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