

Converting Colors

$Yxy(20.7477, 0.5877, 0.3011)$

Have a look what the booklet for
Yxy(20.7477, 0.5877, 0.3011)
contains.

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Color

Yxy(20.7662, 0.5877, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	FA0046
RGB	250, 0, 70
RGB Percent	98%, 0%, 27%
CMY	0.0196, 1.0000, 0.7254
CMYK	0.00, 1.00, 0.72, 0.02
HSL	343°, 100%, 49%
HSV	343°, 100%, 98%
XYZ	40.5324, 20.7662, 7.6692
YIQ	82.7300, 126.5300, 74.7700

Conversions

Conversions Part 2

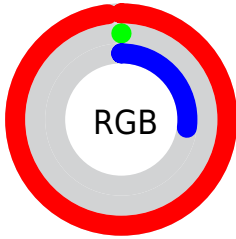
Format	Color
RYB	250, 0, 70
Decimal	16384070
CIELab	52.69, 80.26, 35.84
CIELCh	53, 87.899, 24.063
Yxy	20.7662, 0.5877, 0.3011
Android (android.graphics.Color)	4294574150 (0xFFFA0046)
YUV	82.7300, -6.2759, 146.6958
Hunter-Lab	45.5699, 79.0201, 21.9207

Details

The Yxy color **20.7662, 0.5877, 0.3011** 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 **71.6705, 0.2512, 0.4244**, and the grayscale version is **8.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1174, 0.4855, 0.3097**, and **10.2695, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **20.7677, 0.5877, 0.3011**, and if you desaturate by 10%, it is **21.7255, 0.5575, 0.2916**.

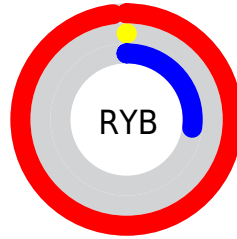
Distribution



Red (98%)

Green (0%)

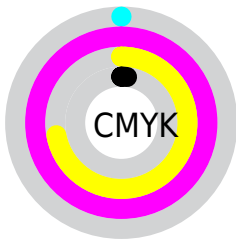
Blue (27%)



Red (98%)

Yellow (0%)

Blue (27%)

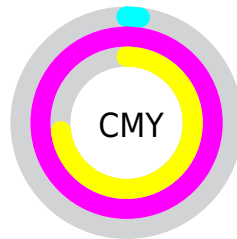


Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (2%)



Cyan (2%)


Magenta (100%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7662, 0.5877, 0.3011 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 20.7662, 0.5877, 0.3011 by changing the saturation by 10% instead.


 20.7662, 0.5877,
0.3011


 20.7662, 0.5877,
0.3011


256.0334, 0.4361,
0.3289


 12.9532, 0.6268,
0.2885


 44.6981, 0.5307,
0.3152

 7.3963, 0.6757,
0.2691


 61.5858, 0.5097,
0.3193

 3.7112, 0.7442,
0.2409

 82.2672, 0.4922,
0.3222

 1.5133, 0.8099,
0.1901

 107.1267, 0.4774,
0.3244

 0.2981, 0.9139,
0.0861

 136.5486, 0.4648,
0.3260

 0.0000, 1.0000,
0.0000

 170.9175, 0.4539,

 0.0000, 0.0000,

0.3272

0.0000

210.6176, 0.4444,
0.3282

■ 20.7662, 0.5877,
0.3011

■ 20.7662, 0.5877,
0.3011

■ 20.7677, 0.5877,
0.3011

■ 21.7255, 0.5575,
0.2916

■ 23.6476, 0.5217,
0.2858

■ 26.8134, 0.4837,
0.2845

■ 31.3936, 0.4469,
0.2871

■ 37.5319, 0.4138,
0.2924

■ 45.3542, 0.3852,
0.2993

■ 54.9732, 0.3613,
0.3069

■ 66.4920, 0.3417,
0.3146

■ 80.0059, 0.3257,
0.3220

Harmonies

Analogous

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



20.7662, 0.4668, 0.2260



20.7662, 0.5877, 0.3011



20.7662, 0.5900, 0.3834

Triad

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



20.7662, 0.5877, 0.3011



20.7662, 0.2584, 0.6202



20.7662, 0.1141, 0.1319

Complementary

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



20.7662, 0.5877, 0.3011



71.6705, 0.2512, 0.4244

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.



20.7662, 0.0892, 0.1666



20.7662, 0.5877, 0.3011



20.7662, 0.1519, 0.4567

Square

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



20.7662, 0.5877, 0.3011



20.7662, 0.3839, 0.5949



20.7662, 0.0975, 0.2649



20.7662, 0.1790, 0.1337

Rectangle

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



20.7662, 0.5877, 0.3011



20.7662, 0.5407, 0.4497



20.7662, 0.0975, 0.2649



20.7662, 0.1021, 0.1386

Sweetspot

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



20.7677, 0.5877, 0.3011



57.4667, 0.3614, 0.3069



16.5068, 0.2490, 0.1145



11.3413, 0.3709, 0.3036



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.



20.7677, 0.5877, 0.3011



21.7203, 0.5879, 0.3012



22.9793, 0.6173, 0.3481



17.3051, 0.3250, 0.3224



11.0361, 0.5835, 0.2988



1.0394, 0.5500, 0.2803

Inverse Universe

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



20.7677, 0.5877, 0.3011



21.7203, 0.5879, 0.3012



46.3098, 0.2045, 0.2563



17.3051, 0.3250, 0.3224



11.0361, 0.5835, 0.2988



1.0394, 0.5500, 0.2803

Previews

White Background



This preview shows how the Yxy color 20.7662, 0.5877, 0.3011 looks on a white background.

Color Contrast Check

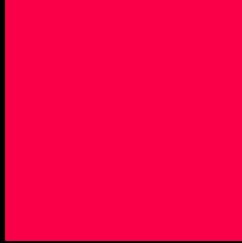
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7662, 0.5877, 0.3011 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 20.7662, 0.5877, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 20.7662, 0.5877, 0.3011.

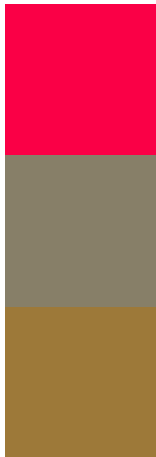


This preview shows how white text looks on a background with the Yxy color 20.7662, 0.5877, 0.3011.

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

20.7662, 0.5877, 0.3011

Protanopia

21.3291, 0.3488, 0.3705

Deuteranopia

21.1383, 0.4345, 0.4276



Tritanopia

21.0764, 0.6248, 0.3321

Trichromacy



Original Color

20.7662, 0.5877, 0.3011



Protanomaly

16.0047, 0.4510, 0.3137



Deuteranomaly

16.7319, 0.5188, 0.3471



Tritanomaly

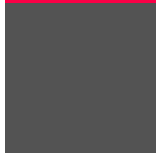
20.7188, 0.6176, 0.3227

Monochromacy



Original Color

20.7662, 0.5877, 0.3011



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.0256, 0.4509, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7662, 0.5877, 0.3011 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(250, 0, 70)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 70)  
}
```

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(250, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.7662, 0.5877, 0.3011 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(250, 0, 70) }
```

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

```
.border{ border-color:rgb(250, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7662, 0.5877, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 70) }
```

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

```
.background{ background-color: rgb(250, 0,  
70) }
```

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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