

Converting Colors

$Yxy(21.6620, 0.6003, 0.3088)$

Have a look what the booklet for
 $Y_{xy}(21.6620, 0.6003, 0.3088)$
contains.

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Color

Yxy(21.6620, 0.6003, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	FF033D
RGB	255, 3, 61
RGB Percent	100%, 1%, 24%
CMY	0.0001, 0.9874, 0.7608
CMYK	0.00, 0.99, 0.76, 0.00
HSL	346°, 100%, 51%
HSV	346°, 99%, 100%
XYZ	42.1104, 21.6620, 6.3765
YIQ	84.9600, 131.5740, 71.4620

Conversions

Conversions Part 2

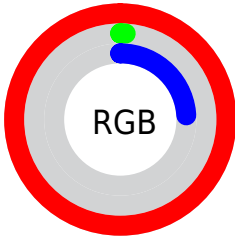
Format	Color
RYB	255, 3, 61
Decimal	16712509
CIELab	53.67, 80.88, 42.45
CIElCh	54, 91.346, 27.690
Yxy	21.6620, 0.6003, 0.3088
Android (android.graphics.Color)	4294902589 (0xFFFF033D)
YUV	84.9600, -11.8123, 149.1251
Hunter-Lab	46.5425, 80.0529, 24.4567

Details

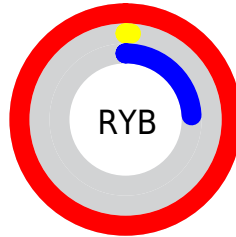
The Yxy color **21.6620, 0.6003, 0.3088** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.5699, 0.2460, 0.4050**, and the grayscale version is **9.1059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0995, 0.4966, 0.3193**, and **10.8658, 0.6286, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **21.5677, 0.6036, 0.3099**, and if you desaturate by 10%, it is **22.7100, 0.5701, 0.3001**.

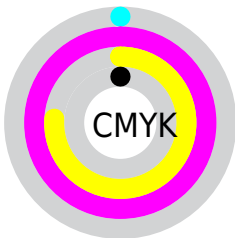
Distribution



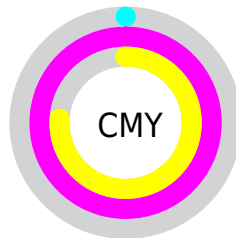
- Red (100%)
- Green (1%)
- Blue (24%)



- Red (100%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (99%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6620, 0.6003, 0.3088 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 21.6620, 0.6003, 0.3088 by changing the saturation by 10% instead.


 21.6620, 0.6003,
0.3088


 21.6620, 0.6003,
0.3088

260.7760, 0.4443,
0.3350


 13.6088, 0.6388,
0.2959


 46.1867, 0.5428,
0.3229

 7.8491, 0.6857,
0.2758


 63.4270, 0.5212,
0.3268


 3.9985, 0.7524,
0.2476

 84.4984, 0.5031,
0.3295

 1.6727, 0.8053,
0.1947

 109.7853, 0.4877,
0.3315

 0.4059, 0.8949,
0.1051

 139.6721, 0.4745,
0.3328

 0.0000, 1.0000,
0.0000

 174.5432, 0.4631,

 0.0000, 0.0000,

0.3338

0.0000

214.7831, 0.4531,
0.3345

■ 21.6620, 0.6003,
0.3088

■ 21.6620, 0.6003,
0.3088

■ 21.5677, 0.6036,
0.3099

■ 22.7100, 0.5701,
0.3001

■ 24.8401, 0.5325,
0.2947

■ 28.3054, 0.4920,
0.2934

■ 33.2824, 0.4527,
0.2954

■ 39.9203, 0.4174,
0.2997

■ 48.3502, 0.3871,
0.3054

■ 58.6902, 0.3619,
0.3117

■ 71.0480, 0.3413,
0.3180

■ 85.5235, 0.3247,
0.3240

Harmonies

Analogous

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



21.6620, 0.4901, 0.2326



21.6620, 0.6003, 0.3088



21.6620, 0.5873, 0.3932

Triad

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



21.6620, 0.6003, 0.3088



21.6620, 0.2410, 0.6183



21.6620, 0.1167, 0.1274

Complementary

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



21.6620, 0.6003, 0.3088



75.5699, 0.2460, 0.4050

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.



21.6620, 0.0874, 0.1566



21.6620, 0.6003, 0.3088



21.6620, 0.1386, 0.4325

Square

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



21.6620, 0.6003, 0.3088



21.6620, 0.3671, 0.6100



21.6620, 0.0911, 0.2457



21.6620, 0.1880, 0.1331

Rectangle

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



21.6620, 0.6003, 0.3088



21.6620, 0.5318, 0.4633



21.6620, 0.0911, 0.2457



21.6620, 0.1030, 0.1326

Sweetspot

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



21.6634, 0.6003, 0.3088



57.2884, 0.3648, 0.3109



19.0560, 0.2621, 0.1221



11.3000, 0.3751, 0.3082



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.



21.6634, 0.6003, 0.3088



21.5709, 0.6036, 0.3099



25.6879, 0.6044, 0.3572



18.0554, 0.3258, 0.3236



11.2899, 0.5998, 0.3078



1.1151, 0.5688, 0.2907

Inverse Universe

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



21.6634, 0.6003, 0.3088



21.5709, 0.6036, 0.3099



43.1392, 0.2000, 0.2394



18.0554, 0.3258, 0.3236



11.2899, 0.5998, 0.3078



1.1151, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 21.6620, 0.6003, 0.3088 looks on a white background.

Color Contrast Check

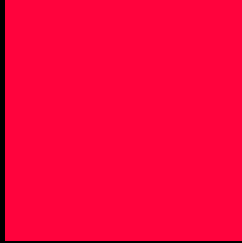
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6620, 0.6003, 0.3088 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 21.6620, 0.6003, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 21.6620, 0.6003, 0.3088.



This preview shows how white text looks on a background with the Yxy color 21.6620, 0.6003, 0.3088.

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

21.6620, 0.6003, 0.3088

Protanopia

21.9622, 0.3669, 0.3944

Deuteranopia

22.0446, 0.4480, 0.4393



Tritanopia

21.8006, 0.6298, 0.3324

Trichromacy



Original Color

21.6620, 0.6003, 0.3088



Protanomaly

16.6044, 0.4729, 0.3322



Deuteranomaly

17.5667, 0.5353, 0.3595



Tritanomaly

21.5760, 0.6238, 0.3256

Monochromacy



Original Color

21.6620, 0.6003, 0.3088



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

9.4572, 0.4588, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6620, 0.6003, 0.3088 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(255, 3, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 61)  
}
```

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(255, 3, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 61) }
```

Border

The CSS property to change the border of an element to Yxy 21.6620, 0.6003, 0.3088 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(255, 3, 61) }
```

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

```
.border{ border-color:rgb(255, 3, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 3, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6620, 0.6003, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 61) }
```

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

```
.background{ background-color: rgb(255, 3,  
61) }
```

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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