

Converting Colors

$Y_{xy}(21.3957, 0.6235, 0.3208)$

Have a look what the booklet for
Yxy(21.3957, 0.6235, 0.3208)
contains.

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Color

Yxy(21.3936, 0.6237, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	FF0025
RGB	255, 0, 37
RGB Percent	100%, 0%, 15%
CMY	0.0001, 0.9989, 0.8551
CMYK	0.00, 1.00, 0.86, 0.00
HSL	351°, 100%, 50%
HSV	351°, 100%, 100%
XYZ	41.5676, 21.3936, 3.6856
YIQ	80.4630, 140.1030, 65.5670

Conversions

Conversions Part 2

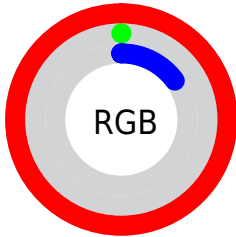
Format	Color
RYB	255, 0, 37
Decimal	16711717
CIELab	53.38, 80.49, 54.92
CIELCh	53, 97.438, 34.308
Yxy	21.3936, 0.6237, 0.3210
Android (android.graphics.Color)	4294901797 (0xFFFF0025)
YUV	80.4630, -21.4273, 153.0689
Hunter-Lab	46.2532, 79.4740, 27.6529

Details

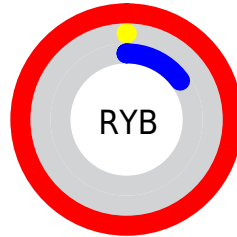
The Yxy color **21.3936, 0.6237, 0.3210** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **76.5845, 0.2377, 0.3758**, and the grayscale version is **8.1701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4653, 0.5262, 0.3400**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3876, 0.6239, 0.3211**, and if you desaturate by 10%, it is **22.2979, 0.5981, 0.3147**.

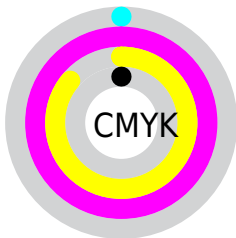
Distribution



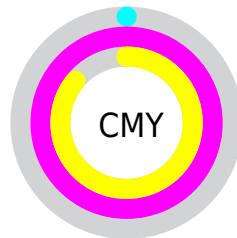
- Red (100%)
- Green (0%)
- Blue (15%)



- Red (100%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3936, 0.6237, 0.3210 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 21.3936, 0.6237, 0.3210 by changing the saturation by 10% instead.


 21.3936, 0.6237,
0.3210

 21.3936, 0.6237,
0.3210


259.3629, 0.4597,
0.3469


 13.4120, 0.6607,
0.3061


 45.7417, 0.5655,
0.3367


 7.7129, 0.7085,
0.2848


 62.8770, 0.5429,
0.3407


 3.9118, 0.7528,
0.2472

 83.8323, 0.5236,
0.3433

 1.6243, 0.8062,
0.1938

 108.9920, 0.5070,
0.3449

 0.3739, 0.8997,
0.1003

 138.7405, 0.4927,
0.3459


 0.0000, 1.0000,
0.0000


 173.4623, 0.4803,


 0.0000, 0.0000,


0.3465


0.0000


 213.5416, 0.4693,
0.3468


 21.3936, 0.6237,
0.3210


 21.3936, 0.6237,
0.3210

 21.3876, 0.6239,
0.3211

 22.2979, 0.5981,
0.3147

 24.2351, 0.5613,
0.3099

 27.4987, 0.5181,
0.3078

 32.2721, 0.4743,
0.3082

 38.7097, 0.4341,
0.3105

■ 46.9467, 0.3993,
0.3138

■ 57.1044, 0.3703,
0.3177

■ 69.2936, 0.3468,
0.3216

■ 83.6165, 0.3278,
0.3255

Harmonies

Analogous

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



21.3936, 0.5377, 0.2432



21.3936, 0.6237, 0.3210



21.3936, 0.5822, 0.4121

Triad

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



21.3936, 0.6237, 0.3210



21.3936, 0.2056, 0.6136



21.3936, 0.1202, 0.1176

Complementary

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



21.3936, 0.6237, 0.3210



76.5845, 0.2377, 0.3758

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.



21.3936, 0.0827, 0.1374



21.3936, 0.6237, 0.3210



21.3936, 0.1127, 0.3856

Square

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



21.3936, 0.6237, 0.3210



21.3936, 0.3326, 0.6432



21.3936, 0.0781, 0.2104



21.3936, 0.2054, 0.1303

Rectangle

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



21.3936, 0.6237, 0.3210



21.3936, 0.5112, 0.4888



21.3936, 0.0781, 0.2104



21.3936, 0.1035, 0.1201

Sweetspot

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



21.3950, 0.6237, 0.3210



56.9969, 0.3706, 0.3176



21.9412, 0.2826, 0.1331



11.2330, 0.3821, 0.3160



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.



21.3950, 0.6237, 0.3210



21.3919, 0.6239, 0.3211



28.4710, 0.5865, 0.3724



18.0297, 0.3272, 0.3256



11.1905, 0.6210, 0.3195



1.1017, 0.5946, 0.3049

Inverse Universe

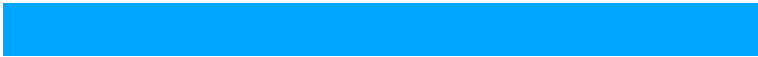
The Inverse Universe completely reimagines the original color for something new.



21.3950, 0.6237, 0.3210



21.3919, 0.6239, 0.3211



34.4312, 0.1911, 0.2079



18.0297, 0.3272, 0.3256



11.1905, 0.6210, 0.3195



1.1017, 0.5946, 0.3049

Previews

White Background



This preview shows how the Yxy color 21.3936, 0.6237, 0.3210 looks on a white background.

Color Contrast Check

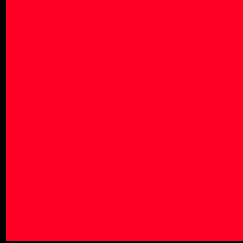
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3936, 0.6237, 0.3210 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 21.3936, 0.6237, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 21.3936, 0.6237, 0.3210.



This preview shows how white text looks on a background with the Yxy color 21.3936, 0.6237, 0.3210.

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

21.3936, 0.6237, 0.3210

Protanopia

21.8771, 0.4046, 0.4421

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.3936, 0.6237, 0.3210



Protanomaly

16.4729, 0.5193, 0.3655



Deuteranomaly

17.2136, 0.5664, 0.3814



Tritanomaly

21.4415, 0.6334, 0.3303

Monochromacy



Original Color

21.3936, 0.6237, 0.3210



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.7669, 0.4814, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3936, 0.6237, 0.3210 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, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 37) }
```

Border

The CSS property to change the border of an element to Yxy 21.3936, 0.6237, 0.3210 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, 0, 37) }
```

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

```
.border{ border-color:rgb(255, 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(255, 0, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 37)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3936, 0.6237, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 37) }
```

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

```
.background{ background-color: rgb(255, 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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