

Converting Colors

$Yxy(21.4367, 0.6187, 0.3182)$

Have a look what the booklet for
Yxy(21.4367, 0.6187, 0.3182)
contains.

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Color

Yxy(21.4344, 0.6189, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	FF002B
RGB	255, 0, 43
RGB Percent	100%, 0%, 17%
CMY	0.0000, 0.9998, 0.8313
CMYK	0.00, 1.00, 0.83, 0.00
HSL	350°, 100%, 50%
HSV	350°, 100%, 100%
XYZ	41.6769, 21.4344, 4.2290
YIQ	81.1470, 138.1770, 67.4330

Conversions

Conversions Part 2

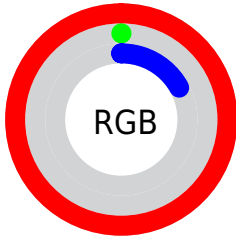
Format	Color
R_YB	255, 0, 43
Decimal	16711723
CIE _{Lab}	53.42, 80.63, 51.96
CIE _{LCh}	53, 95.921, 32.800
Yxy	21.4344, 0.6189, 0.3183
Android (android.graphics.Color)	4294901803 (0xFFFF002B)
YUV	81.1470, -18.8065, 152.4691
Hunter-Lab	46.2973, 79.6656, 26.9923

Details

The Yxy color **21.4344, 0.6189, 0.3183** 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 **76.2746, 0.2401, 0.3844**, and the grayscale version is **8.2826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5476, 0.5206, 0.3358**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.4344, 0.6189, 0.3183**, and if you desaturate by 10%, it is **22.3517, 0.5920, 0.3111**.

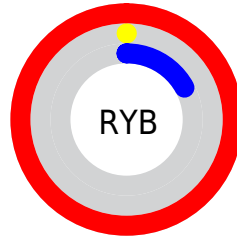
Distribution



Red (100%)

Green (0%)

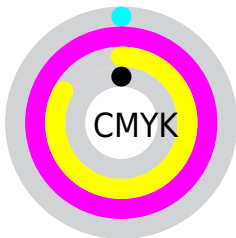
Blue (17%)



Red (100%)

Yellow (0%)

Blue (17%)

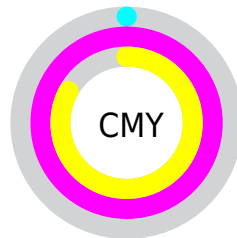


Cyan (0%)

Magenta (100%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4344, 0.6189, 0.3183 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 21.4344, 0.6189, 0.3183 by changing the saturation by 10% instead.


 21.4344, 0.6189,
0.3183


 21.4344, 0.6189,
0.3183


259.5782, 0.4562,
0.3441


 13.4419, 0.6565,
0.3039


 45.8094, 0.5606,
0.3336


 7.7335, 0.7031,
0.2824


 62.9607, 0.5381,
0.3375

 3.9249, 0.7529,
0.2471

 83.9337, 0.5190,
0.3401

 1.6317, 0.8062,
0.1938

 109.1128, 0.5027,
0.3418

 0.3788, 0.8991,
0.1009

 138.8824, 0.4886,
0.3429

 0.0000, 1.0000,
0.0000

 173.6269, 0.4763,

 0.0000, 0.0000,

0.3435

0.0000

213.7307, 0.4656,
0.3439

■ 21.4344, 0.6189,
0.3183

■ 22.3517, 0.5920,
0.3111

■ 24.2945, 0.5550,
0.3059

■ 27.5584, 0.5125,
0.3037

■ 32.3261, 0.4698,
0.3044

■ 38.7514, 0.4307,
0.3072

■ 46.9690, 0.3970,
0.3112

■ 57.0997, 0.3689,
0.3157

■ 69.2537, 0.3460,
0.3203

■ 83.5330, 0.3276,
0.3248

Harmonies

Analogous

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



21.4344, 0.5266, 0.2408



21.4344, 0.6189, 0.3183



21.4344, 0.5836, 0.4074

Triad

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



21.4344, 0.6189, 0.3183



21.4344, 0.2138, 0.6156



21.4344, 0.1193, 0.1198

Complementary

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



21.4344, 0.6189, 0.3183



76.2746, 0.2401, 0.3844

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.



21.4344, 0.0837, 0.1416



21.4344, 0.6189, 0.3183



21.4344, 0.1185, 0.3968

Square

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



21.4344, 0.6189, 0.3183



21.4344, 0.3408, 0.6354



21.4344, 0.0809, 0.2182



21.4344, 0.2011, 0.1309

Rectangle

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



21.4344, 0.6189, 0.3183



21.4344, 0.5168, 0.4832



21.4344, 0.0809, 0.2182



21.4344, 0.1033, 0.1229

Sweetspot

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



21.4357, 0.6189, 0.3183



57.0792, 0.3689, 0.3157



20.6684, 0.2740, 0.1283



11.2519, 0.3801, 0.3137



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.



21.4357, 0.6189, 0.3183



21.4344, 0.6189, 0.3183



27.1126, 0.5953, 0.3655



18.0370, 0.3268, 0.3250



11.2144, 0.6157, 0.3166



1.1052, 0.5876, 0.3011

Inverse Universe

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



21.4357, 0.6189, 0.3183



21.4344, 0.6189, 0.3183



37.5948, 0.1944, 0.2199



18.0370, 0.3268, 0.3250



11.2144, 0.6157, 0.3166



1.1052, 0.5876, 0.3011

Previews

White Background



This preview shows how the Yxy color 21.4344, 0.6189, 0.3183 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 21.4344, 0.6189, 0.3183 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 21.4344, 0.6189, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 21.4344, 0.6189, 0.3183.



This preview shows how white text looks on a background with the Yxy color 21.4344, 0.6189, 0.3183.

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

21.4344, 0.6189, 0.3183

Protanopia

21.8810, 0.3956, 0.4311

Deuteranopia

21.7430, 0.4673, 0.4585



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.4344, 0.6189, 0.3183



Protanomaly

16.4281, 0.5078, 0.3571



Deuteranomaly

17.2591, 0.5595, 0.3761



Tritanomaly

21.4499, 0.6324, 0.3297

Monochromacy



Original Color

21.4344, 0.6189, 0.3183



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.7905, 0.4769, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4344, 0.6189, 0.3183 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 43) }
```

Border

The CSS property to change the border of an element to Yxy 21.4344, 0.6189, 0.3183 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, 43) }
```

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

```
.border{ border-color:rgb(255, 0, 43) }
```

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, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4344, 0.6189, 0.3183 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, 43) }
```

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

```
.background{ background-color: rgb(255, 0,  
43) }
```

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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