

Converting Colors

$Yxy(21.8927, 0.5499, 0.3081)$

Have a look what the booklet for
Yxy(21.8927, 0.5499, 0.3081)
contains.

Yxy(21.9483, 0.5492, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9483, 0.5492, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	F13652
RGB	241, 54, 82
RGB Percent	95%, 21%, 32%
CMY	0.0550, 0.7880, 0.6785
CMYK	0.00, 0.78, 0.66, 0.06
HSL	351°, 87%, 58%
HSV	351°, 78%, 94%
XYZ	39.1110, 21.9483, 10.1552
YIQ	113.1050, 102.4640, 48.3520

Conversions

Conversions Part 2

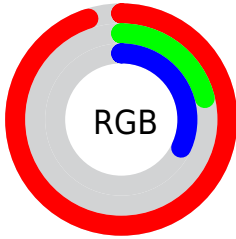
Format	Color
R_{YB}	241, 54, 82
Decimal	15808082
CIE _{Lab}	53.97, 70.29, 29.94
CIE _{LCh}	54, 76.405, 23.072
Yxy	21.9483, 0.5492, 0.3082
Android (android.graphics.Color)	4293998162 (0xFFFF13652)
YUV	113.1050, -15.3348, 112.1639
Hunter-Lab	46.8490, 67.0315, 19.9424

Details

The Yxy color **21.9483, 0.5492, 0.3082** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **68.4880, 0.2402, 0.3656**, and the grayscale version is **16.5786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6213, 0.4577, 0.3154**, and **9.4871, 0.6028, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **19.9654, 0.5881, 0.3124**, and if you desaturate by 10%, it is **25.1371, 0.5056, 0.3068**.

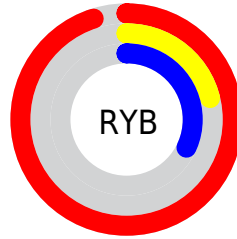
Distribution



Red (95%)

Green (21%)

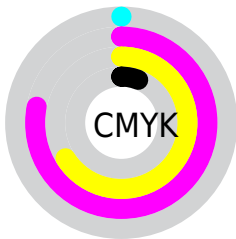
Blue (32%)



Red (95%)

Yellow (21%)

Blue (32%)

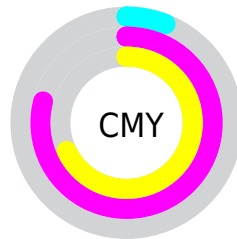


Cyan (0%)

Magenta (78%)

Yellow (66%)

Black (6%)



Cyan (6%)


Magenta (79%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9483, 0.5492, 0.3082 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 21.9483, 0.5492, 0.3082 by changing the saturation by 10% instead.


 21.9483, 0.5492,
0.3082


 21.9483, 0.5492,
0.3082


262.2762, 0.4179,
0.3286


 13.8189, 0.5845,
0.2988


 46.6605, 0.4991,
0.3186

 7.9948, 0.6300,
0.2841


 64.0122, 0.4809,
0.3216


 4.0916, 0.6895,
0.2599

 85.2067, 0.4658,
0.3237

 1.7250, 0.7777,
0.2223

 110.6285, 0.4532,
0.3253

 0.4397, 0.8686,
0.1314

 140.6619, 0.4424,
0.3265

 0.0000, 1.0000,
0.0000

175.6914, 0.4331,

 0.0000, 0.0000,

0.3274

0.0000

216.1014, 0.4250,
0.3281

■ 21.9483, 0.5492,
0.3082

■ 21.9483, 0.5492,
0.3082

■ 19.9654, 0.5881,
0.3124

■ 25.1371, 0.5056,
0.3068

■ 18.9837, 0.6169,
0.3188


■ 29.6797, 0.4628,
0.3079

■ 18.8236, 0.6224,
0.3202

■ 35.7072, 0.4242,
0.3106

■ 43.3338, 0.3912,
0.3142

■ 52.6627, 0.3639,
0.3183

 63.7884, 0.3417,
0.3223

 76.7984, 0.3239,
0.3262

 91.7744, 0.3095,
0.3299

 97.4362, 0.3041,
0.3290

Harmonies

Analogous

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



21.9483, 0.4414, 0.2369



21.9483, 0.5492, 0.3082



21.9483, 0.5624, 0.3869

Triad

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



21.9483, 0.5492, 0.3082



21.9483, 0.2769, 0.5744



21.9483, 0.1318, 0.1522

Complementary

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



21.9483, 0.5492, 0.3082



68.4880, 0.2402, 0.3656

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.



21.9483, 0.1093, 0.1887



21.9483, 0.5492, 0.3082



21.9483, 0.1767, 0.4432

Square

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



21.9483, 0.5492, 0.3082



21.9483, 0.3916, 0.5638



21.9483, 0.1209, 0.2820



21.9483, 0.1919, 0.1520

Rectangle

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



21.9483, 0.5492, 0.3082



21.9483, 0.5245, 0.4458



21.9483, 0.1209, 0.2820



21.9483, 0.1206, 0.1596

Sweetspot

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



21.9496, 0.5492, 0.3082



65.3111, 0.3533, 0.3201



23.1305, 0.2915, 0.1511



13.0358, 0.3617, 0.3186



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.



21.9496, 0.5492, 0.3082



21.9474, 0.6061, 0.3159



32.2721, 0.5233, 0.3875



15.7973, 0.3270, 0.3255



10.2221, 0.6194, 0.3186



0.8620, 0.5877, 0.3011

Inverse Universe

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



21.9496, 0.5492, 0.3082



21.9474, 0.6061, 0.3159



38.0122, 0.2057, 0.2381



15.7973, 0.3270, 0.3255



10.2221, 0.6194, 0.3186



0.8620, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 21.9483, 0.5492, 0.3082 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 21.9483, 0.5492, 0.3082 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 21.9483, 0.5492, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 21.9483, 0.5492, 0.3082.



This preview shows how white text looks on a background with the Yxy color 21.9483, 0.5492, 0.3082.

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

21.9483, 0.5492, 0.3082

Protanopia

22.1046, 0.3402, 0.3593

Deuteranopia

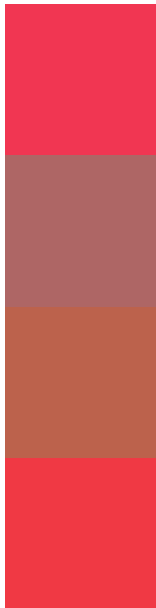
21.9029, 0.4183, 0.4099



Tritanopia

21.8776, 0.5743, 0.3284

Trichromacy



Original Color

21.9483, 0.5492, 0.3082

Protanomaly

19.4410, 0.4179, 0.3308

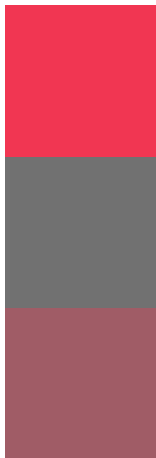
Deuteranomaly

19.9485, 0.4745, 0.3584

Tritanomaly

21.8689, 0.5655, 0.3217

Monochromacy



Original Color

21.9483, 0.5492, 0.3082

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0872, 0.4032, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9483, 0.5492, 0.3082 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(241, 54, 82)` looks like.

```
.text, #text, p{  
    color:rgb(241, 54, 82)  
}
```

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(241, 54, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 54, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.9483, 0.5492, 0.3082 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(241, 54, 82) }
```

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

```
.border{ border-color:rgb(241, 54, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 54, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 54, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 54, 82);  
box-shadow:4px 4px 4px 4px rgb(241, 54,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9483, 0.5492, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 54, 82) }
```

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

```
.background{ background-color: rgb(241, 54,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor