

Converting Colors

$Y_{xy}(22.2224, 0.5353, 0.2979)$

Have a look what the booklet for
Yxy(22.2224, 0.5353, 0.2979)
contains.

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Color

Yxy(22.2138, 0.5342, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	F2355D
RGB	242, 53, 93
RGB Percent	95%, 21%, 36%
CMY	0.0511, 0.7919, 0.6353
CMYK	0.00, 0.78, 0.62, 0.05
HSL	347°, 88%, 58%
HSV	347°, 78%, 95%
XYZ	39.8610, 22.2138, 12.5433
YIQ	114.0710, 99.8040, 52.5080

Conversions

Conversions Part 2

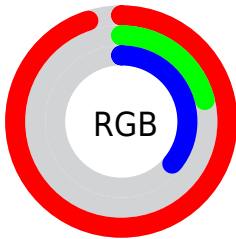
Format	Color
R_{YB}	242, 53, 93
Decimal	15873373
CIE _{Lab}	54.25, 71.44, 23.81
CIE _{LCh}	54, 75.308, 18.432
Yxy	22.2138, 0.5342, 0.2977
Android (android.graphics.Color)	4294063453 (0xFFFF2355D)
YUV	114.0710, -10.3880, 112.1937
Hunter-Lab	47.1315, 68.4843, 17.2130

Details

The Yxy color **22.2138, 0.5342, 0.2977** 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 **68.5144, 0.2449, 0.3823**, and the grayscale version is **16.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9657, 0.4429, 0.3030**, and **9.6784, 0.5860, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **20.2384, 0.5724, 0.3026**, and if you desaturate by 10%, it is **25.3887, 0.4930, 0.2965**.

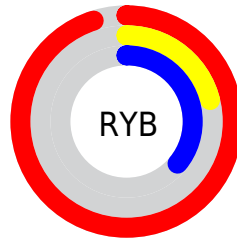
Distribution



Red (95%)

Green (21%)

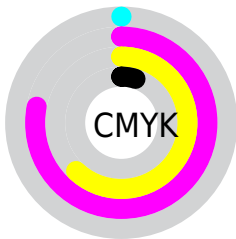
Blue (36%)



Red (95%)

Yellow (21%)

Blue (36%)

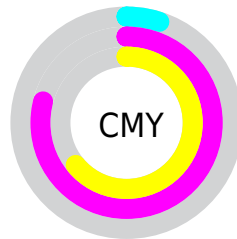


Cyan (0%)

Magenta (78%)

Yellow (62%)

Black (5%)



Cyan (5%)


Magenta (79%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2138, 0.5342, 0.2977 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 22.2138, 0.5342, 0.2977 by changing the saturation by 10% instead.


 22.2138, 0.5342,
0.2977


 22.2138, 0.5342,
0.2977


263.6608, 0.4109,
0.3218


 14.0141, 0.5680,
0.2883


 47.0991, 0.4868,
0.3089

 8.1305, 0.6123,
0.2739


 64.5535, 0.4697,
0.3123

 4.1785, 0.6714,
0.2511

 85.8615, 0.4556,
0.3149

 1.7739, 0.7739,
0.2195

 111.4077, 0.4438,
0.3169

 0.4708, 0.8660,
0.1340

 141.5763, 0.4337,
0.3185

 0.0000, 1.0000,
0.0000

176.7517, 0.4250,

 0.0000, 0.0000,

0.3198

0.0000

217.3184, 0.4175,
0.3209

■ 22.2138, 0.5342,
0.2977

■ 22.2138, 0.5342,
0.2977

■ 20.2384, 0.5724,
0.3026

■ 25.3887, 0.4930,
0.2965

■ 19.2486, 0.6030,
0.3108


■ 29.9124, 0.4531,
0.2984

■ 19.1134, 0.6080,
0.3123


■ 35.9163, 0.4173,
0.3025


■ 43.5152, 0.3867,
0.3077

■ 52.8126, 0.3613,
0.3135

 63.9030, 0.3406,
0.3192

 76.8743, 0.3239,
0.3248

 91.8082, 0.3103,
0.3300

 97.6130, 0.3047,
0.3290

Harmonies

Analogous

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



22.2138, 0.4177, 0.2285



22.2138, 0.5342, 0.2977



22.2138, 0.5630, 0.3746

Triad

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



22.2138, 0.5342, 0.2977



22.2138, 0.2957, 0.5769



22.2138, 0.1284, 0.1574

Complementary

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



22.2138, 0.5342, 0.2977



68.5144, 0.2449, 0.3823

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.



22.2138, 0.1112, 0.2009



22.2138, 0.5342, 0.2977



22.2138, 0.1920, 0.4670

Square

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



22.2138, 0.5342, 0.2977



22.2138, 0.4088, 0.5499



22.2138, 0.1289, 0.3040



22.2138, 0.1816, 0.1522

Rectangle

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



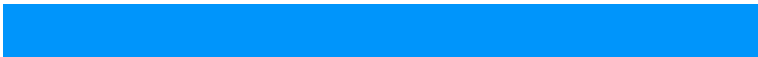
22.2138, 0.5342, 0.2977



22.2138, 0.5332, 0.4315



22.2138, 0.1289, 0.3040



22.2138, 0.1190, 0.1669

Sweetspot

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



22.2151, 0.5342, 0.2977



65.4890, 0.3504, 0.3164



21.3848, 0.2784, 0.1438



13.0777, 0.3582, 0.3143



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.



22.2151, 0.5342, 0.2977



22.0033, 0.5924, 0.3075



29.5600, 0.5385, 0.3748



15.8135, 0.3260, 0.3240



10.2863, 0.6043, 0.3103



0.8698, 0.5686, 0.2906

Inverse Universe

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



22.2151, 0.5342, 0.2977



22.0033, 0.5924, 0.3075



43.3269, 0.2100, 0.2558



15.8135, 0.3260, 0.3240



10.2863, 0.6043, 0.3103



0.8698, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 22.2138, 0.5342, 0.2977 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 22.2138, 0.5342, 0.2977 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 22.2138, 0.5342, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 22.2138, 0.5342, 0.2977.



This preview shows how white text looks on a background with the Yxy color 22.2138, 0.5342, 0.2977.

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

22.2138, 0.5342, 0.2977

Protanopia

22.4841, 0.3195, 0.3343

Deuteranopia

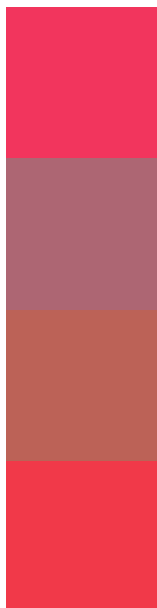
22.2235, 0.4026, 0.3939



Tritanopia

22.2803, 0.5712, 0.3283

Trichromacy



Original Color

22.2138, 0.5342, 0.2977

Protanomaly

19.6248, 0.3956, 0.3096

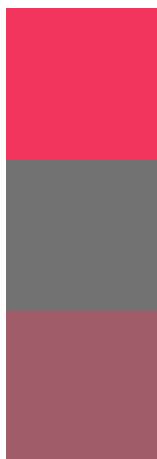
Deuteranomaly

20.1149, 0.4592, 0.3443

Tritanomaly

22.1081, 0.5598, 0.3178

Monochromacy



Original Color

22.2138, 0.5342, 0.2977

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.2720, 0.3982, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2138, 0.5342, 0.2977 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(242, 53, 93)` looks like.

```
.text, #text, p{  
    color:rgb(242, 53, 93)  
}
```

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(242, 53, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 53, 93) }
```

Border

The CSS property to change the border of an element to Yxy 22.2138, 0.5342, 0.2977 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(242, 53, 93) }
```

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

```
.border{ border-color:rgb(242, 53, 93) }
```

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

Here you see how a box with a 4 pixel rgb(242, 53, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 53, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 53, 93);  
box-shadow:4px 4px 4px 4px rgb(242, 53,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2138, 0.5342, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 53, 93) }
```

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

```
.background{ background-color: rgb(242, 53,  
93) }
```

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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