

Converting Colors

$Y_{xy}(22.9759, 0.5952, 0.3203)$

Have a look what the booklet for
Yxy(22.9759, 0.5952, 0.3203)
contains.

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Color

Yxy(22.9416, 0.5954, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	FF2639
RGB	255, 38, 57
RGB Percent	100%, 15%, 22%
CMY	0.0000, 0.8509, 0.7763
CMYK	0.00, 0.85, 0.78, 0.00
HSL	355°, 100%, 57%
HSV	355°, 85%, 100%
XYZ	42.6724, 22.9416, 6.0561
YIQ	105.0490, 123.2330, 51.9130

Conversions

Conversions Part 2

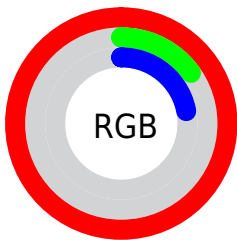
Format	Color
R_{YB}	255, 38, 57
Decimal	16721465
CIE _{Lab}	55.01, 76.77, 46.09
CIE _{LCh}	55, 89.546, 30.979
Yxy	22.9416, 0.5954, 0.3201
Android (android.graphics.Color)	4294911545 (0xFFFF2639)
YUV	105.0490, -23.6882, 131.5070
Hunter-Lab	47.8974, 75.2074, 26.0316

Details

The Yxy color **22.9416, 0.5954, 0.3201** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.9859, 0.2336, 0.3523**, and the grayscale version is **14.1850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2172, 0.4943, 0.3333**, and **10.8505, 0.6323, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **21.6497, 0.6238, 0.3241**, and if you desaturate by 10%, it is **25.4563, 0.5551, 0.3175**.

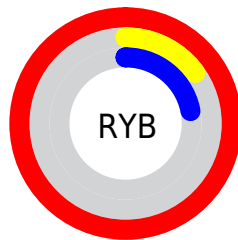
Distribution



Red (100%)

Green (15%)

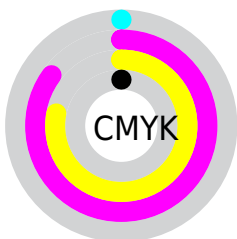
Blue (22%)



Red (100%)

Yellow (15%)

Blue (22%)

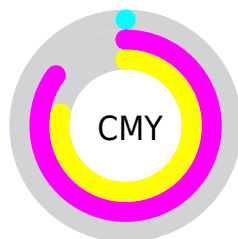


Cyan (0%)

Magenta (85%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (85%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9416, 0.5954, 0.3201 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 22.9416, 0.5954, 0.3201 by changing the saturation by 10% instead.


 22.9416, 0.5954,
0.3201


 22.9416, 0.5954,
0.3201

267.4249, 0.4438,
0.3409

 14.5504, 0.6321,
0.3084


 48.2974, 0.5401,
0.3324

 8.5045, 0.6763,
0.2897


 66.0308, 0.5192,
0.3356


 4.4194, 0.7372,
0.2628

 87.6471, 0.5015,
0.3376

 1.9108, 0.7876,
0.2124

 113.5306, 0.4864,
0.3390

 0.5549, 0.8653,
0.1347

 144.0657, 0.4735,
0.3399

 0.0000, 1.0000,
0.0000

 179.6369, 0.4623,

 0.0000, 0.0000,

0.3404

0.0000

220.6285, 0.4525,
0.3407

■ 22.9416, 0.5954,
0.3201

■ 22.9416, 0.5954,
0.3201

■ 21.6497, 0.6238,
0.3241

■ 25.4563, 0.5551,
0.3175

■ 21.3191, 0.6327,
0.3259


■ 29.3984, 0.5093,
0.3166


■ 34.9397, 0.4642,
0.3172

■ 42.2265, 0.4238,
0.3188

■ 51.3885, 0.3895,
0.3210

 62.5434, 0.3614,
0.3233

 75.7988, 0.3387,
0.3257

 91.2550, 0.3205,
0.3279

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



22.9416, 0.5005, 0.2439



22.9416, 0.5954, 0.3201



22.9416, 0.5739, 0.4055

Triad

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



22.9416, 0.5954, 0.3201



22.9416, 0.2326, 0.5938



22.9416, 0.1267, 0.1313

Complementary

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



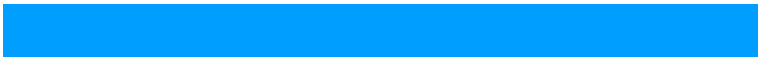
22.9416, 0.5954, 0.3201



77.9859, 0.2336, 0.3523

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.



22.9416, 0.0938, 0.1563



22.9416, 0.5954, 0.3201



22.9416, 0.1365, 0.4054

Square

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



22.9416, 0.5954, 0.3201



22.9416, 0.3554, 0.6101



22.9416, 0.0943, 0.2359



22.9416, 0.2028, 0.1401

Rectangle

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



22.9416, 0.5954, 0.3201



22.9416, 0.5161, 0.4746



22.9416, 0.0943, 0.2359



22.9416, 0.1117, 0.1353

Sweetspot

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



22.9430, 0.5954, 0.3201



61.4445, 0.3637, 0.3231



25.9816, 0.2992, 0.1482



12.2888, 0.3730, 0.3223



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.



22.9430, 0.5954, 0.3201



21.3193, 0.6327, 0.3259



36.0191, 0.5366, 0.3953



18.0129, 0.3281, 0.3269



11.1486, 0.6306, 0.3248



1.0939, 0.6113, 0.3141

Inverse Universe

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



22.9430, 0.5954, 0.3201



21.3193, 0.6327, 0.3259



35.7140, 0.1953, 0.2121



18.0129, 0.3281, 0.3269



11.1486, 0.6306, 0.3248



1.0939, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 22.9416, 0.5954, 0.3201 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 22.9416, 0.5954, 0.3201 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 22.9416, 0.5954, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 22.9416, 0.5954, 0.3201.



This preview shows how white text looks on a background with the Yxy color 22.9416, 0.5954, 0.3201.

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

22.9416, 0.5954, 0.3201

Protanopia

23.0719, 0.3804, 0.4110

Deuteranopia

22.8267, 0.4527, 0.4445



Tritanopia

22.9924, 0.6099, 0.3308

Trichromacy



Original Color

22.9416, 0.5954, 0.3201



Protanomaly

19.4201, 0.4726, 0.3618



Deuteranomaly

20.0397, 0.5244, 0.3792



Tritanomaly

22.9748, 0.6049, 0.3271

Monochromacy



Original Color

22.9416, 0.5954, 0.3201



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

14.0630, 0.4344, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9416, 0.5954, 0.3201 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, 38, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 57)  
}
```

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, 38, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 57) }
```

Border

The CSS property to change the border of an element to Yxy 22.9416, 0.5954, 0.3201 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, 38, 57) }
```

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

```
.border{ border-color:rgb(255, 38, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9416, 0.5954, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 57) }
```

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

```
.background{ background-color: rgb(255, 38,  
57) }
```

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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