

Converting Colors

$Yxy(23.5940, 0.5741, 0.3022)$

Have a look what the booklet for
Yxy(23.5940, 0.5741, 0.3022)
contains.

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Color

Yxy(22.7032, 0.5722, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	FF1D4F
RGB	255, 29, 79
RGB Percent	100%, 11%, 31%
CMY	0.0001, 0.8860, 0.6902
CMYK	0.00, 0.89, 0.69, 0.00
HSL	347°, 100%, 56%
HSV	347°, 89%, 100%
XYZ	43.0871, 22.7032, 9.5105
YIQ	102.2740, 118.6460, 63.4620

Conversions

Conversions Part 2

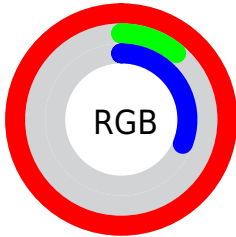
Format	Color
R _Y B	255, 29, 79
Decimal	16719183
CIE Lab	54.77, 79.07, 33.27
CIE LCh	55, 85.788, 22.819
Yxy	22.7032, 0.5722, 0.3015
Android (android.graphics.Color)	4294909263 (0xFFFF1D4F)
YUV	102.2740, -11.4741, 133.9407
Hunter-Lab	47.6479, 78.0306, 21.5193

Details

The Yxy color **22.7032, 0.5722, 0.3015** 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 **76.1834, 0.2444, 0.3938**, and the grayscale version is **13.3818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1266, 0.4675, 0.3079**, and **10.9402, 0.6116, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **21.6523, 0.6023, 0.3100**, and if you desaturate by 10%, it is **24.8483, 0.5344, 0.2962**.

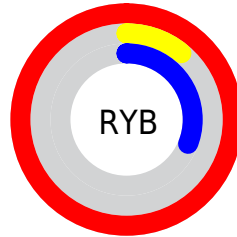
Distribution



Red (100%)

Green (11%)

Blue (31%)



Red (100%)

Yellow (11%)

Blue (31%)

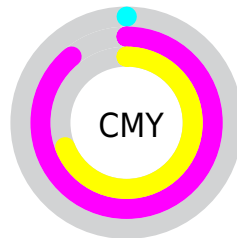


Cyan (0%)

Magenta (89%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7032, 0.5722, 0.3015 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 22.7032, 0.5722, 0.3015 by changing the saturation by 10% instead.


 22.7032, 0.5722,
0.3015


 22.7032, 0.5722,
0.3015


266.1969, 0.4301,
0.3272

 14.3745, 0.6091,
0.2904


 47.9055, 0.5188,
0.3142

 8.3816, 0.6557,
0.2734

 65.5479, 0.4991,
0.3179

 4.3401, 0.7156,
0.2469

 87.0637, 0.4827,
0.3207

 1.8656, 0.7945,
0.2055

 112.8373, 0.4688,
0.3227

 0.5275, 0.8735,
0.1265

 143.2529, 0.4570,
0.3243

 0.0000, 1.0000,
0.0000

178.6952, 0.4468,

 0.0000, 0.0000,

0.3255

0.0000

219.5484, 0.4379,
0.3264

■ 22.7032, 0.5722,
0.3015

■ 22.7032, 0.5722,
0.3015

■ 21.6523, 0.6023,
0.3100

■ 24.8483, 0.5344,
0.2962

■ 21.5463, 0.6060,
0.3112

■ 28.3316, 0.4935,
0.2948

■ 33.3307, 0.4538,
0.2967

■ 39.9946, 0.4181,
0.3009

■ 48.4546, 0.3875,
0.3064

 58.8287, 0.3621,
0.3124

 71.2246, 0.3414,
0.3184

 85.7423, 0.3246,
0.3243

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



22.7032, 0.4530, 0.2278



22.7032, 0.5722, 0.3015



22.7032, 0.5821, 0.3824

Triad

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



22.7032, 0.5722, 0.3015



22.7032, 0.2689, 0.6057



22.7032, 0.1189, 0.1393

Complementary

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



22.7032, 0.5722, 0.3015



76.1834, 0.2444, 0.3938

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.



22.7032, 0.0957, 0.1761



22.7032, 0.5722, 0.3015



22.7032, 0.1632, 0.4582

Square

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



22.7032, 0.5722, 0.3015



22.7032, 0.3909, 0.5815



22.7032, 0.1064, 0.2754



22.7032, 0.1808, 0.1395

Rectangle

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



22.7032, 0.5722, 0.3015



22.7032, 0.5377, 0.4452



22.7032, 0.1064, 0.2754



22.7032, 0.1074, 0.1466

Sweetspot

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



22.7046, 0.5722, 0.3015



60.6754, 0.3585, 0.3134



20.6966, 0.2683, 0.1294



12.1578, 0.3664, 0.3113



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.



22.7046, 0.5722, 0.3015



21.5491, 0.6060, 0.3112



28.5448, 0.5784, 0.3664



18.0528, 0.3259, 0.3238



11.2779, 0.6022, 0.3091



1.1136, 0.5716, 0.2922

Inverse Universe

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



22.7046, 0.5722, 0.3015



21.5491, 0.6060, 0.3112



46.3971, 0.2044, 0.2495



18.0528, 0.3259, 0.3238



11.2779, 0.6022, 0.3091



1.1136, 0.5716, 0.2922

Previews

White Background



This preview shows how the Yxy color 22.7032, 0.5722, 0.3015 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 22.7032, 0.5722, 0.3015 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 22.7032, 0.5722, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 22.7032, 0.5722, 0.3015.



This preview shows how white text looks on a background with the Yxy color 22.7032, 0.5722, 0.3015.

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

22.7032, 0.5722, 0.3015

Protanopia

22.8737, 0.3386, 0.3571

Deuteranopia

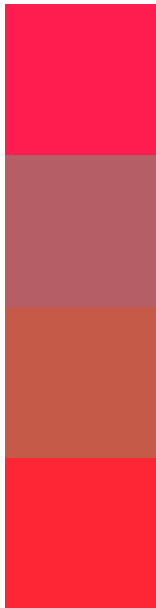
22.7539, 0.4267, 0.4177



Tritanopia

22.7966, 0.6104, 0.3312

Trichromacy



Original Color

22.7032, 0.5722, 0.3015

Protanomaly

18.7885, 0.4307, 0.3179

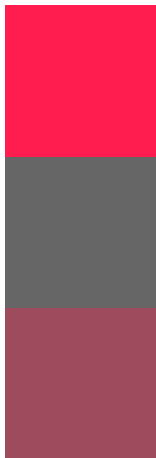
Deuteranomaly

19.5030, 0.4980, 0.3525

Tritanomaly

22.6510, 0.5996, 0.3220

Monochromacy



Original Color

22.7032, 0.5722, 0.3015

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1094, 0.4247, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7032, 0.5722, 0.3015 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, 29, 79)` looks like.

```
.text, #text, p{  
  color:rgb(255, 29, 79)  
}
```

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, 29, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 79) }
```

Border

The CSS property to change the border of an element to Yxy 22.7032, 0.5722, 0.3015 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, 29, 79) }
```

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

```
.border{ border-color:rgb(255, 29, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7032, 0.5722, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 79) }
```

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

```
.background{ background-color: rgb(255, 29,  
79) }
```

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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