

Converting Colors

$Y_{xy}(22.6525, 0.5781, 0.3094)$

Have a look what the booklet for
Yxy(22.6525, 0.5781, 0.3094)
contains.

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Color

Yxy(22.6737, 0.5777, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	FD2548
RGB	253, 37, 72
RGB Percent	99%, 15%, 28%
CMY	0.0079, 0.8546, 0.7177
CMYK	0.00, 0.85, 0.72, 0.01
HSL	350°, 98%, 57%
HSV	350°, 85%, 99%
XYZ	42.3355, 22.6737, 8.2736
YIQ	105.5740, 117.5010, 56.6770

Conversions

Conversions Part 2

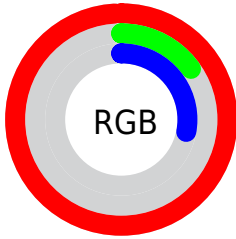
Format	Color
R _Y B	253, 37, 72
Decimal	16590152
CIE Lab	54.73, 76.96, 37.24
CIE LCh	55, 85.497, 25.825
Yxy	22.6737, 0.5777, 0.3094
Android (android.graphics.Color)	4294780232 (0xFFFD2548)
YUV	105.5740, -16.5520, 129.2926
Hunter-Lab	47.6169, 75.3721, 23.0300

Details

The Yxy color **22.6737, 0.5777, 0.3094** 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 **75.7020, 0.2395, 0.3735**, and the grayscale version is **14.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5533, 0.4760, 0.3188**, and **10.6535, 0.6184, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **21.3745, 0.6093, 0.3159**, and if you desaturate by 10%, it is **25.1590, 0.5373, 0.3056**.

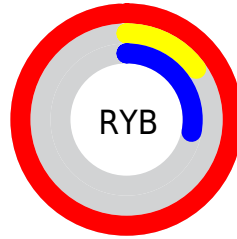
Distribution



Red (99%)

Green (15%)

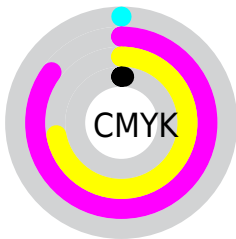
Blue (28%)



Red (99%)

Yellow (15%)

Blue (28%)

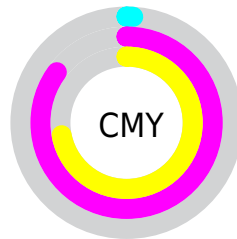


Cyan (0%)

Magenta (85%)

Yellow (72%)

Black (1%)



Cyan (1%)


Magenta (85%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6737, 0.5777, 0.3094 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 22.6737, 0.5777, 0.3094 by changing the saturation by 10% instead.


 22.6737, 0.5777,
0.3094

 22.6737, 0.5777,
0.3094


266.0446, 0.4331,
0.3322

 14.3528, 0.6146,
0.2985


 47.8570, 0.5237,
0.3215


 8.3664, 0.6607,
0.2813

 65.4881, 0.5037,
0.3248


 4.3303, 0.7223,
0.2554

 86.9914, 0.4870,
0.3272

 1.8600, 0.7897,
0.2103

 112.7513, 0.4728,
0.3289

 0.5242, 0.8697,
0.1303

 143.1522, 0.4607,
0.3302

 0.0000, 1.0000,
0.0000

178.5784, 0.4503,

 0.0000, 0.0000,

0.3311

0.0000

219.4144, 0.4412,
0.3317

■ 22.6737, 0.5777,
0.3094

■ 22.6737, 0.5777,
0.3094

■ 21.3745, 0.6093,
0.3159

■ 25.1590, 0.5373,
0.3056

■ 21.0396, 0.6203,
0.3191


■ 29.0286, 0.4939,
0.3049


■ 34.4485, 0.4522,
0.3065

■ 41.5602, 0.4152,
0.3098

■ 50.4891, 0.3838,
0.3139

 61.3487, 0.3580,
0.3183

 74.2434, 0.3371,
0.3227

 89.2699, 0.3203,
0.3269

99.6201, 0.3115,
0.3290

Harmonies

Analogous

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



22.6737, 0.4680, 0.2350



22.6737, 0.5777, 0.3094



22.6737, 0.5770, 0.3914

Triad

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



22.6737, 0.5777, 0.3094



22.6737, 0.2573, 0.5977



22.6737, 0.1235, 0.1382

Complementary

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



22.6737, 0.5777, 0.3094



75.7020, 0.2395, 0.3735

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.



22.6737, 0.0969, 0.1706



22.6737, 0.5777, 0.3094



22.6737, 0.1554, 0.4375

Square

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



22.6737, 0.5777, 0.3094



22.6737, 0.3787, 0.5890



22.6737, 0.1040, 0.2618



22.6737, 0.1900, 0.1415

Rectangle

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



22.6737, 0.5777, 0.3094



22.6737, 0.5284, 0.4555



22.6737, 0.1040, 0.2618



22.6737, 0.1108, 0.1443

Sweetspot

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



22.6751, 0.5777, 0.3094



61.6694, 0.3596, 0.3180



23.1700, 0.2847, 0.1403



12.3406, 0.3680, 0.3165



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.



22.6751, 0.5777, 0.3094



21.4218, 0.6204, 0.3191



31.9599, 0.5529, 0.3816



18.0350, 0.3269, 0.3252



11.2074, 0.6173, 0.3174



1.1042, 0.5896, 0.3022

Inverse Universe

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



22.6751, 0.5777, 0.3094



21.4218, 0.6204, 0.3191



40.5387, 0.2007, 0.2324



18.0350, 0.3269, 0.3252



11.2074, 0.6173, 0.3174



1.1042, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 22.6737, 0.5777, 0.3094 looks on a white background.

Color Contrast Check

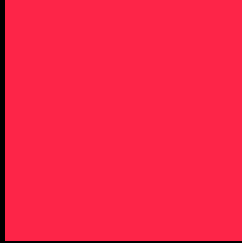
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6737, 0.5777, 0.3094 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 22.6737, 0.5777, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 22.6737, 0.5777, 0.3094.



This preview shows how white text looks on a background with the Yxy color 22.6737, 0.5777, 0.3094.

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

22.6737, 0.5777, 0.3094

Protanopia

22.8075, 0.3536, 0.3763

Deuteranopia

22.7800, 0.4348, 0.4260



Tritanopia

22.6640, 0.6052, 0.3308

Trichromacy



Original Color

22.6737, 0.5777, 0.3094

Protanomaly

19.1459, 0.4440, 0.3365

Deuteranomaly

19.9346, 0.5039, 0.3639

Tritanomaly

22.5384, 0.5970, 0.3236

Monochromacy



Original Color

22.6737, 0.5777, 0.3094

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0639, 0.4223, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6737, 0.5777, 0.3094 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(253, 37, 72)` looks like.

```
.text, #text, p{  
  color:rgb(253, 37, 72)  
}
```

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(253, 37, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 37, 72) }
```

Border

The CSS property to change the border of an element to Yxy 22.6737, 0.5777, 0.3094 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(253, 37, 72) }
```

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

```
.border{ border-color:rgb(253, 37, 72) }
```

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

Here you see how a box with a 4 pixel rgb(253, 37, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 37, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 37, 72);  
box-shadow:4px 4px 4px 4px rgb(253, 37,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6737, 0.5777, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 37, 72) }
```

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

```
.background{ background-color: rgb(253, 37,  
72) }
```

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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