

Converting Colors

$Y_{xy}(22.2700, 0.6180, 0.3331)$

Have a look what the booklet for
Yxy(22.2700, 0.6180, 0.3331)
contains.

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Color

Yxy(22.2945, 0.6181, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	FD251D
RGB	253, 37, 29
RGB Percent	99%, 15%, 11%
CMY	0.0078, 0.8549, 0.8864
CMYK	0.00, 0.85, 0.89, 0.01
HSL	2°, 98%, 55%
HSV	2°, 89%, 99%
XYZ	41.3945, 22.2945, 3.2816
YIQ	100.6720, 131.3040, 43.3040

Conversions

Conversions Part 2

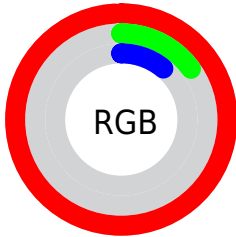
Format	Color
RYB	253, 37, 29
Decimal	16590109
CIELab	54.34, 75.82, 59.03
CIElCh	54, 96.089, 37.905
Yxy	22.2945, 0.6181, 0.3329
Android (android.graphics.Color)	4294780189 (0xFFFD251D)
YUV	100.6720, -35.3343, 133.5917
Hunter-Lab	47.2171, 73.8585, 28.9313

Details

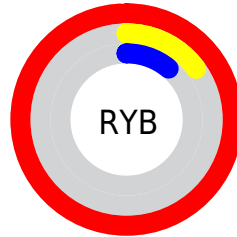
The Yxy color **22.2945, 0.6181, 0.3329** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **72.6504, 0.2234, 0.3189**, and the grayscale version is **12.9901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5352, 0.5245, 0.3557**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.1705, 0.6366, 0.3314**, and if you desaturate by 10%, it is **24.5324, 0.5841, 0.3342**.

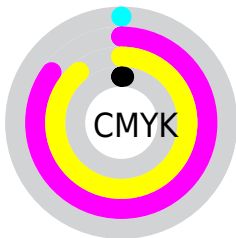
Distribution



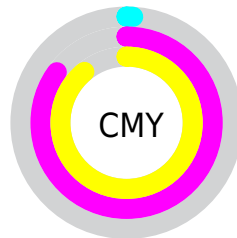
- Red (99%)
- Green (15%)
- Blue (11%)



- Red (99%)
- Yellow (15%)
- Blue (11%)



- Cyan (0%)
- Magenta (85%)
- Yellow (89%)
- Black (1%)




- Cyan (1%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2945, 0.6181, 0.3329 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 22.2945, 0.6181, 0.3329 by changing the saturation by 10% instead.


 22.2945, 0.6181,
0.3329


 22.2945, 0.6181,
0.3329


264.0804, 0.4592,
0.3535


 14.0735, 0.6530,
0.3189


 47.2323, 0.5625,
0.3470


 8.1718, 0.6999,
0.2997


 64.7178, 0.5406,
0.3503


 4.2051, 0.7379,
0.2621

 86.0602, 0.5219,
0.3523

 1.7889, 0.7894,
0.2106

 111.6440, 0.5057,
0.3534

 0.4803, 0.8737,
0.1263

 141.8535, 0.4917,
0.3539

 0.0000, 1.0000,
0.0000

 177.0731, 0.4795,

 0.0000, 0.0000,


0.3540


0.0000


 217.6873, 0.4687,
0.3538


 22.2945, 0.6181,
0.3329


 22.2945, 0.6181,
0.3329


 21.1705, 0.6366,
0.3314


 24.5324, 0.5841,
0.3342

 21.0816, 0.6383,
0.3314

 28.0781, 0.5396,
0.3348

 33.0916, 0.4919,
0.3346

 39.7091, 0.4470,
0.3339

 48.0512, 0.4079,
0.3330

■ 58.2270, 0.3753,
0.3319

■ 70.3366, 0.3488,
0.3308

■ 84.4727, 0.3275,
0.3298

99.6249, 0.3115,
0.3290

Harmonies

Analogous

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



22.2945, 0.5491, 0.2547



22.2945, 0.6181, 0.3329



22.2945, 0.5677, 0.4261

Triad

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



22.2945, 0.6181, 0.3329



22.2945, 0.1957, 0.5843



22.2945, 0.1306, 0.1209

Complementary

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



22.2945, 0.6181, 0.3329



72.6504, 0.2234, 0.3189

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.



22.2945, 0.0886, 0.1365



22.2945, 0.6181, 0.3329



22.2945, 0.1099, 0.3582

Square

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



22.2945, 0.6181, 0.3329



22.2945, 0.3195, 0.6436



22.2945, 0.0805, 0.2008



22.2945, 0.2222, 0.1371

Rectangle

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



22.2945, 0.6181, 0.3329



22.2945, 0.4959, 0.5041



22.2945, 0.0805, 0.2008



22.2945, 0.1122, 0.1222

Sweetspot

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



22.2959, 0.6181, 0.3329



61.0418, 0.3708, 0.3317



28.3877, 0.3283, 0.1621



12.2397, 0.3809, 0.3321



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.



22.2959, 0.6181, 0.3329



21.4583, 0.6383, 0.3313



42.2967, 0.5124, 0.4217



18.0912, 0.3294, 0.3299



11.2575, 0.6376, 0.3319



1.1312, 0.6317, 0.3366

Inverse Universe

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



72.6504, 0.2234, 0.3189



73.0504, 0.2216, 0.3176



24.2711, 0.1814, 0.1649



20.3632, 0.2980, 0.3281



38.2200, 0.2216, 0.3178



3.7548, 0.2220, 0.3191

Previews

White Background



This preview shows how the Yxy color 22.2945, 0.6181, 0.3329 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 22.2945, 0.6181, 0.3329 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 22.2945, 0.6181, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 22.2945, 0.6181, 0.3329.



This preview shows how white text looks on a background with the Yxy color 22.2945, 0.6181, 0.3329.

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

22.2945, 0.6181, 0.3329

Protanopia

22.5739, 0.4158, 0.4569

Deuteranopia

22.4146, 0.4708, 0.4644



Tritanopia

22.3156, 0.6156, 0.3315

Trichromacy



Original Color

22.2945, 0.6181, 0.3329

Protanomaly

19.0308, 0.5115, 0.3941

Deuteranomaly

19.5488, 0.5478, 0.3979

Tritanomaly

22.3101, 0.6163, 0.3318

Monochromacy



Original Color

22.2945, 0.6181, 0.3329

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0247, 0.4544, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2945, 0.6181, 0.3329 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, 29)` looks like.

```
.text, #text, p{  
  color:rgb(253, 37, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 37, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.2945, 0.6181, 0.3329 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, 29) }
```

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

```
.border{ border-color:rgb(253, 37, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 37, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 37, 29);  
box-shadow:4px 4px 4px 4px rgb(253, 37,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2945, 0.6181, 0.3329 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, 29) }
```

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

```
.background{ background-color: rgb(253, 37,  
29) }
```

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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