

Converting Colors

$Y_{xy}(22.8732, 0.6092, 0.3312)$

Have a look what the booklet for
Yxy(22.8732, 0.6092, 0.3312)
contains.

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Color

Yxy(22.8732, 0.6092, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	FE2A27
RGB	254, 42, 39
RGB Percent	100%, 16%, 15%
CMY	0.0038, 0.8354, 0.8471
CMYK	0.00, 0.83, 0.85, 0.00
HSL	1°, 99%, 57%
HSV	1°, 85%, 100%
XYZ	42.0723, 22.8732, 4.1161
YIQ	105.0460, 127.3150, 44.0110

Conversions

Conversions Part 2

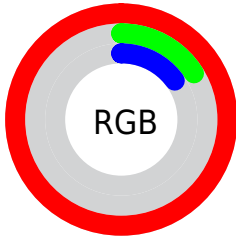
Format	Color
RYB	254, 42, 39
Decimal	16656935
CIELab	54.94, 75.27, 55.19
CIElCh	55, 93.339, 36.248
Yxy	22.8732, 0.6092, 0.3312
Android (android.graphics.Color)	4294847015 (0xFFFE2A27)
YUV	105.0460, -32.5607, 130.6327
Hunter-Lab	47.8259, 73.3305, 28.3754

Details

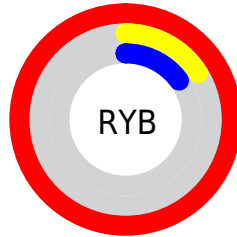
The Yxy color **22.8732, 0.6092, 0.3312** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **76.6060, 0.2260, 0.3251**, and the grayscale version is **14.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3170, 0.5129, 0.3513**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5034, 0.6328, 0.3306**, and if you desaturate by 10%, it is **25.4658, 0.5706, 0.3316**.

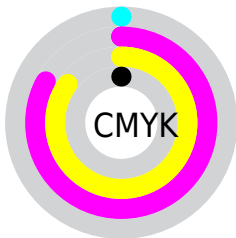
Distribution



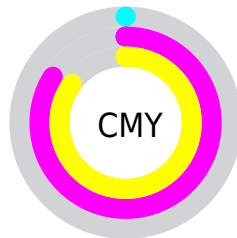
- Red (100%)
- Green (16%)
- Blue (15%)



- Red (100%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (83%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8732, 0.6092, 0.3312 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 22.8732, 0.6092, 0.3312 by changing the saturation by 10% instead.


 22.8732, 0.6092,
0.3312


 22.8732, 0.6092,
0.3312


267.0731, 0.4536,
0.3503


 14.4999, 0.6445,
0.3184


 48.1850, 0.5540,
0.3441


 8.4692, 0.6884,
0.2991


 65.8924, 0.5325,
0.3471


 4.3966, 0.7340,
0.2660

 87.4798, 0.5142,
0.3489

 1.8978, 0.7844,
0.2156

 113.3318, 0.4985,
0.3500

 0.5471, 0.8631,
0.1369

 143.8328, 0.4850,
0.3505

 0.0000, 1.0000,
0.0000

 179.3670, 0.4731,

 0.0000, 0.0000,

0.3506

0.0000

220.3190, 0.4627,
0.3506

■ 22.8732, 0.6092,
0.3312

■ 22.8732, 0.6092,
0.3312

■ 21.5034, 0.6328,
0.3306

■ 25.4658, 0.5706,
0.3316


■ 21.1508, 0.6394,
0.3305

■ 29.4756, 0.5237,
0.3316


■ 35.0673, 0.4759,
0.3314

■ 42.3821, 0.4323,
0.3310

■ 51.5456, 0.3952,
0.3305

 62.6714, 0.3646,
0.3301

 75.8643, 0.3401,
0.3296

 91.2216, 0.3204,
0.3292

99.8143, 0.3121,
0.3290

Harmonies

Analogous

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



22.8732, 0.5336, 0.2535



22.8732, 0.6092, 0.3312



22.8732, 0.5669, 0.4212

Triad

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



22.8732, 0.6092, 0.3312



22.8732, 0.2071, 0.5823



22.8732, 0.1315, 0.1255

Complementary

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



22.8732, 0.6092, 0.3312



76.6060, 0.2260, 0.3251

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.



22.8732, 0.0919, 0.1433



22.8732, 0.6092, 0.3312



22.8732, 0.1188, 0.3698

Square

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



22.8732, 0.6092, 0.3312



22.8732, 0.3300, 0.6309



22.8732, 0.0860, 0.2112



22.8732, 0.2186, 0.1398

Rectangle

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



22.8732, 0.6092, 0.3312



22.8732, 0.5009, 0.4967



22.8732, 0.0860, 0.2112



22.8732, 0.1140, 0.1275

Sweetspot

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



22.8746, 0.6092, 0.3312



62.7906, 0.3656, 0.3301



29.6817, 0.3206, 0.1600



12.5513, 0.3757, 0.3302



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.



22.8746, 0.6092, 0.3312



21.3367, 0.6394, 0.3305



41.9344, 0.5118, 0.4159



18.0273, 0.3294, 0.3294



11.1664, 0.6391, 0.3307



1.1008, 0.6368, 0.3326

Inverse Universe

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



76.6060, 0.2260, 0.3251



76.5053, 0.2235, 0.3245



28.3017, 0.1875, 0.1825



20.4357, 0.2980, 0.3286



39.9954, 0.2235, 0.3245



3.9075, 0.2236, 0.3250

Previews

White Background



This preview shows how the Yxy color 22.8732, 0.6092, 0.3312 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 22.8732, 0.6092, 0.3312 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 22.8732, 0.6092, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 22.8732, 0.6092, 0.3312.



This preview shows how white text looks on a background with the Yxy color 22.8732, 0.6092, 0.3312.

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

22.8732, 0.6092, 0.3312

Protanopia

22.9504, 0.4057, 0.4444

Deuteranopia

22.8827, 0.4716, 0.4637



Tritanopia

22.8800, 0.6084, 0.3308

Trichromacy



Original Color

22.8732, 0.6092, 0.3312

Protanomaly

19.4950, 0.4981, 0.3867

Deuteranomaly

20.3582, 0.5440, 0.3994

Tritanomaly

22.8800, 0.6084, 0.3308

Monochromacy



Original Color

22.8732, 0.6092, 0.3312

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.9996, 0.4445, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8732, 0.6092, 0.3312 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(254, 42, 39)` looks like.

```
.text, #text, p{  
  color:rgb(254, 42, 39)  
}
```

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(254, 42, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 42, 39) }
```

Border

The CSS property to change the border of an element to Yxy 22.8732, 0.6092, 0.3312 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(254, 42, 39) }
```

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

```
.border{ border-color:rgb(254, 42, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 42, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 42, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 42, 39);  
box-shadow:4px 4px 4px 4px rgb(254, 42,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8732, 0.6092, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 42, 39) }
```

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

```
.background{ background-color: rgb(254, 42,  
39) }
```

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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