

Converting Colors

$Y_{xy}(21.2483, 0.5982, 0.3332)$

Have a look what the booklet for
Yxy(21.2483, 0.5982, 0.3332)
contains.

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Color

Yxy(21.2483, 0.5982, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	F2312B
RGB	242, 49, 43
RGB Percent	95%, 19%, 17%
CMY	0.0511, 0.8076, 0.8314
CMYK	0.00, 0.80, 0.82, 0.05
HSL	2°, 88%, 56%
HSV	2°, 82%, 95%
XYZ	38.1475, 21.2483, 4.3747
YIQ	106.0230, 116.9540, 39.0500

Conversions

Conversions Part 2

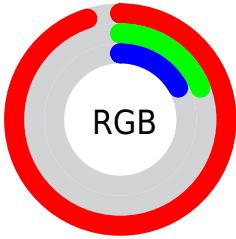
Format	Color
R_{YB}	242, 49, 43
Decimal	15872299
CIE Lab	53.22, 70.46, 50.85
CIE LCh	53, 86.886, 35.817
Yxy	21.2483, 0.5982, 0.3332
Android (android.graphics.Color)	4294062379 (0xFFFF2312B)
YUV	106.0230, -31.0703, 119.2518
Hunter-Lab	46.0959, 67.0530, 26.6403

Details

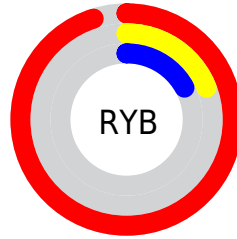
The Yxy color **21.2483, 0.5982, 0.3332** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **66.8610, 0.2256, 0.3210**, and the grayscale version is **14.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8256, 0.5071, 0.3498**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.6413, 0.6268, 0.3319**, and if you desaturate by 10%, it is **23.9832, 0.5566, 0.3339**.

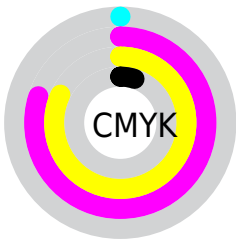
Distribution



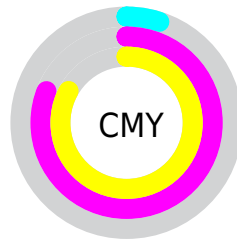
- Red (95%)
- Green (19%)
- Blue (17%)



- Red (95%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)
- Black (5%)





- Cyan (5%)
- Magenta (81%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2483, 0.5982, 0.3332 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 21.2483, 0.5982, 0.3332 by changing the saturation by 10% instead.


 21.2483, 0.5982,
0.3332


 21.2483, 0.5982,
0.3332


258.5951, 0.4450,
0.3493


 13.3056, 0.6345,
0.3213


 45.5004, 0.5427,
0.3447


 7.6393, 0.6797,
0.3025


 62.5786, 0.5215,
0.3472

 3.8650, 0.7299,
0.2701

 83.4708, 0.5036,
0.3487

 1.5984, 0.7828,
0.2172

 108.5614, 0.4883,
0.3494

 0.3565, 0.8849,
0.1151

 138.2347, 0.4752,
0.3497

 0.0000, 1.0000,
0.0000

 172.8752, 0.4638,

 0.0000, 0.0000,

0.3497

0.0000

212.8672, 0.4538,
0.3496

■ 21.2483, 0.5982,
0.3332

■ 21.2483, 0.5982,
0.3332

■ 19.6413, 0.6268,
0.3319

■ 23.9832, 0.5566,
0.3339


■ 19.0342, 0.6385,
0.3312

■ 27.9973, 0.5093,
0.3340

■ 33.4228, 0.4629,
0.3335


■ 40.3744, 0.4214,
0.3328

■ 48.9552, 0.3865,
0.3319

 59.2590, 0.3578,
0.3309

 71.3729, 0.3348,
0.3300

 85.3778, 0.3163,
0.3292

 97.6139, 0.3047,
0.3290

Harmonies

Analogous

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



21.2483, 0.5223, 0.2561



21.2483, 0.5982, 0.3332



21.2483, 0.5614, 0.4212

Triad

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



21.2483, 0.5982, 0.3332



21.2483, 0.2148, 0.5706



21.2483, 0.1361, 0.1313

Complementary

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



21.2483, 0.5982, 0.3332



66.8610, 0.2256, 0.3210

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.



21.2483, 0.0974, 0.1500



21.2483, 0.5982, 0.3332



21.2483, 0.1267, 0.3719

Square

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



21.2483, 0.5982, 0.3332



21.2483, 0.3355, 0.6182



21.2483, 0.0925, 0.2183



21.2483, 0.2207, 0.1449

Rectangle

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



21.2483, 0.5982, 0.3332



21.2483, 0.4989, 0.4928



21.2483, 0.0925, 0.2183



21.2483, 0.1190, 0.1335

Sweetspot

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



21.2496, 0.5982, 0.3332



63.2590, 0.3653, 0.3312



26.8127, 0.3240, 0.1639



12.6589, 0.3753, 0.3315



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.



21.2496, 0.5982, 0.3332



21.4882, 0.6374, 0.3311



39.5441, 0.5017, 0.4195



15.8361, 0.3293, 0.3298



10.2626, 0.6378, 0.3317



0.8808, 0.6320, 0.3364

Inverse Universe

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



66.8610, 0.2256, 0.3210



73.9391, 0.2221, 0.3193



25.4363, 0.1887, 0.1827



17.8413, 0.2981, 0.3282



35.2835, 0.2221, 0.3194



2.9611, 0.2224, 0.3207

Previews

White Background



This preview shows how the Yxy color 21.2483, 0.5982, 0.3332 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 21.2483, 0.5982, 0.3332 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 21.2483, 0.5982, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 21.2483, 0.5982, 0.3332.



This preview shows how white text looks on a background with the Yxy color 21.2483, 0.5982, 0.3332.

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

21.2483, 0.5982, 0.3332

Protanopia

21.4712, 0.4001, 0.4376

Deuteranopia

21.3097, 0.4640, 0.4561



Tritanopia

21.2046, 0.5943, 0.3298

Trichromacy



Original Color

21.2483, 0.5982, 0.3332

Protanomaly

18.6742, 0.4871, 0.3865

Deuteranomaly

19.2253, 0.5284, 0.3974

Tritanomaly

21.1884, 0.5962, 0.3310

Monochromacy



Original Color

21.2483, 0.5982, 0.3332

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0901, 0.4327, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2483, 0.5982, 0.3332 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(242, 49, 43)` looks like.

```
.text, #text, p{  
    color:rgb(242, 49, 43)  
}
```

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(242, 49, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 49, 43) }
```

Border

The CSS property to change the border of an element to Yxy 21.2483, 0.5982, 0.3332 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(242, 49, 43) }
```

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

```
.border{ border-color:rgb(242, 49, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 49, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 49, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 49, 43);  
box-shadow:4px 4px 4px 4px rgb(242, 49,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2483, 0.5982, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 49, 43) }
```

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

```
.background{ background-color: rgb(242, 49,  
43) }
```

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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