

Converting Colors

$Yxy(19.8197, 0.5948, 0.3377)$

Have a look what the booklet for
Yxy(19.8197, 0.5948, 0.3377)
contains.

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Color

Yxy(19.8552, 0.5942, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	E83528
RGB	232, 53, 40
RGB Percent	91%, 21%, 16%
CMY	0.0902, 0.7921, 0.8429
CMYK	0.00, 0.77, 0.83, 0.09
HSL	4°, 81%, 53%
HSV	4°, 83%, 91%
XYZ	34.9362, 19.8552, 4.0040
YIQ	105.0390, 110.8570, 33.9050

Conversions

Conversions Part 2

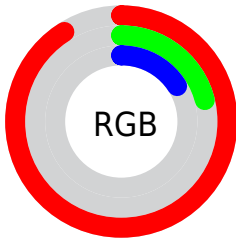
Format	Color
R_{YB}	232, 54, 40
Decimal	15217960
CIE _{Lab}	51.67, 66.47, 50.17
CIE _{LCh}	52, 83.278, 37.045
Yxy	19.8552, 0.5942, 0.3377
Android (android.graphics.Color)	4293408040 (0xFFE83528)
YUV	105.0390, -32.0642, 111.3448
Hunter-Lab	44.5592, 61.9727, 25.8638

Details

The Yxy color **19.8552, 0.5942, 0.3377** 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 **56.9715, 0.2230, 0.3114**, and the grayscale version is **14.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9992, 0.5094, 0.3533**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1955, 0.6236, 0.3349**, and if you desaturate by 10%, it is **22.5015, 0.5529, 0.3392**.

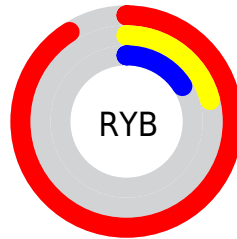
Distribution



Red (91%)

Green (21%)

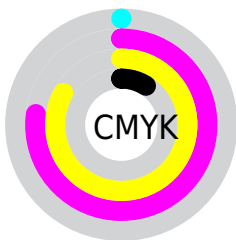
Blue (16%)



Red (91%)

Yellow (21%)

Blue (16%)

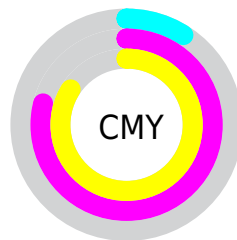


Cyan (0%)

Magenta (77%)

Yellow (83%)

Black (9%)



Cyan (9%)

Magenta (79%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8552, 0.5942, 0.3377 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 19.8552, 0.5942, 0.3377 by changing the saturation by 10% instead.


 19.8552, 0.5942,
0.3377

 19.8552, 0.5942,
0.3377

251.1302, 0.4416,
0.3511

 12.2898, 0.6308,
0.3260


 43.1743, 0.5384,
0.3484


 6.9414, 0.6784,
0.3079


 59.6968, 0.5173,
0.3506


 3.4255, 0.7268,
0.2732

 79.9738, 0.4995,
0.3517

 1.3577, 0.7821,
0.2179

 104.3897, 0.4843,
0.3522

 0.1852, 0.9226,
0.0774

 133.3289, 0.4713,
0.3522

 0.0000, 1.0000,
0.0000

 167.1758, 0.4600,

 0.0000, 0.0000,

0.3520

0.0000

206.3147, 0.4502,
0.3516

■ 19.8552, 0.5942,
0.3377

■ 19.8552, 0.5942,
0.3377

■ 18.1955, 0.6236,
0.3349

■ 22.5015, 0.5529,
0.3392


■ 17.5163, 0.6362,
0.3331


■ 26.2518, 0.5067,
0.3394


■ 31.2107, 0.4615,
0.3385


■ 37.4700, 0.4210,
0.3370

■ 45.1124, 0.3867,
0.3351

 54.2137, 0.3585,
0.3332

 64.8444, 0.3356,
0.3312

 77.0703, 0.3171,
0.3295

 90.9533, 0.3022,
0.3278

Harmonies

Analogous

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



19.8552, 0.5237, 0.2607



19.8552, 0.5942, 0.3377



19.8552, 0.5556, 0.4258

Triad

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



19.8552, 0.5942, 0.3377



19.8552, 0.2127, 0.5587



19.8552, 0.1408, 0.1336

Complementary

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



19.8552, 0.5942, 0.3377



56.9715, 0.2230, 0.3114

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.



19.8552, 0.1007, 0.1510



19.8552, 0.5942, 0.3377



19.8552, 0.1272, 0.3636

Square

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



19.8552, 0.5942, 0.3377



19.8552, 0.3318, 0.6149



19.8552, 0.0947, 0.2164



19.8552, 0.2270, 0.1483

Rectangle

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



19.8552, 0.5942, 0.3377



19.8552, 0.4931, 0.4965



19.8552, 0.0947, 0.2164



19.8552, 0.1232, 0.1355

Sweetspot

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



19.8564, 0.5942, 0.3377



64.3094, 0.3648, 0.3336



23.8031, 0.3348, 0.1701



12.9008, 0.3745, 0.3343



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.



19.8564, 0.5942, 0.3377



21.7510, 0.6352, 0.3329



38.7500, 0.4916, 0.4292



14.5232, 0.3291, 0.3306



9.7881, 0.6350, 0.3340



0.7785, 0.6213, 0.3449

Inverse Universe

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



56.9715, 0.2230, 0.3114



68.3709, 0.2189, 0.3076



20.5030, 0.1846, 0.1678



16.1612, 0.2982, 0.3274



30.6752, 0.2189, 0.3079



2.3172, 0.2198, 0.3112

Previews

White Background



This preview shows how the Yxy color 19.8552, 0.5942, 0.3377 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 19.8552, 0.5942, 0.3377 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 19.8552, 0.5942, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 19.8552, 0.5942, 0.3377.



This preview shows how white text looks on a background with the Yxy color 19.8552, 0.5942, 0.3377.

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

19.8552, 0.5942, 0.3377

Protanopia

20.0494, 0.4033, 0.4416

Deuteranopia

19.8410, 0.4647, 0.4565



Tritanopia

19.7714, 0.5840, 0.3291

Trichromacy



Original Color

19.8552, 0.5942, 0.3377

Protanomaly

17.7540, 0.4860, 0.3922

Deuteranomaly

18.2749, 0.5263, 0.4013

Tritanomaly

19.8252, 0.5875, 0.3324

Monochromacy



Original Color

19.8552, 0.5942, 0.3377

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8290, 0.4294, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8552, 0.5942, 0.3377 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(232, 53, 40)` looks like.

```
.text, #text, p{  
    color:rgb(232, 53, 40)  
}
```

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(232, 53, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 53, 40) }
```

Border

The CSS property to change the border of an element to Yxy 19.8552, 0.5942, 0.3377 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(232, 53, 40) }
```

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

```
.border{ border-color:rgb(232, 53, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 53, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 53, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 53, 40);  
box-shadow:4px 4px 4px 4px rgb(232, 53,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8552, 0.5942, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 53, 40) }
```

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

```
.background{ background-color: rgb(232, 53,  
40) }
```

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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