

Converting Colors

$Y_{xy}(21.2638, 0.5595, 0.3262)$

Have a look what the booklet for
Yxy(21.2638, 0.5595, 0.3262)
contains.

Yxy(21.1741, 0.5591, 0.3258)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1741, 0.5591, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	E93E43
RGB	233, 62, 67
RGB Percent	91%, 24%, 26%
CMY	0.0863, 0.7567, 0.7373
CMYK	0.00, 0.73, 0.71, 0.09
HSL	358°, 80%, 58%
HSV	358°, 73%, 91%
XYZ	36.3365, 21.1741, 7.4805
YIQ	113.6990, 100.3110, 37.8070

Conversions

Conversions Part 2

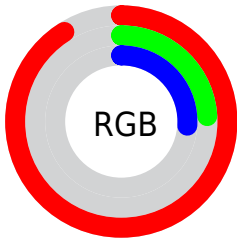
Format	Color
R_{YB}	233, 62, 67
Decimal	15285827
CIE _{Lab}	53.14, 64.87, 37.29
CIE _{LCh}	53, 74.827, 29.893
Yxy	21.1741, 0.5591, 0.3258
Android (android.graphics.Color)	4293475907 (0xFFE93E43)
YUV	113.6990, -23.0226, 104.6270
Hunter-Lab	46.0153, 60.4277, 22.5723

Details

The Yxy color **21.1741, 0.5591, 0.3258** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **64.8982, 0.2331, 0.3352**, and the grayscale version is **16.7843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1725, 0.4745, 0.3354**, and **8.4969, 0.6211, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **18.9396, 0.6000, 0.3268**, and if you desaturate by 10%, it is **24.6024, 0.5119, 0.3254**.

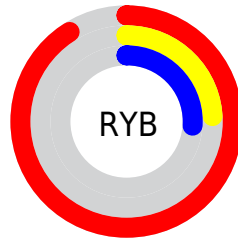
Distribution



Red (91%)

Green (24%)

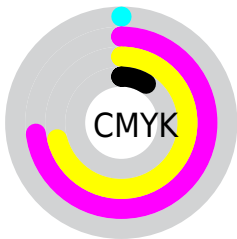
Blue (26%)



Red (91%)

Yellow (24%)

Blue (26%)

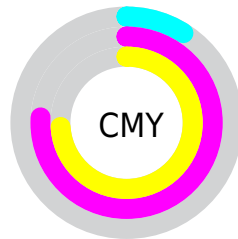


Cyan (0%)

Magenta (73%)

Yellow (71%)

Black (9%)



Cyan (9%)


Magenta (76%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1741, 0.5591, 0.3258 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 21.1741, 0.5591, 0.3258 by changing the saturation by 10% instead.


 21.1741, 0.5591,
0.3258


 21.1741, 0.5591,
0.3258


258.2023, 0.4227,
0.3391


 13.2513, 0.5949,
0.3170


 45.3771, 0.5075,
0.3344

 7.6018, 0.6401,
0.3021


 62.4261, 0.4886,
0.3364


 3.8412, 0.7066,
0.2801

 83.2860, 0.4728,
0.3376

 1.5852, 0.7682,
0.2318

 108.3412, 0.4596,
0.3384

 0.3476, 0.8750,
0.1250

 137.9760, 0.4483,
0.3388

 0.0000, 1.0000,
0.0000

172.5748, 0.4386,

 0.0000, 0.0000,

0.3391

0.0000

212.5221, 0.4301,
0.3391

■ 21.1741, 0.5591,
0.3258

■ 21.1741, 0.5591,
0.3258

■ 18.9396, 0.6000,
0.3268

■ 24.6024, 0.5119,
0.3254

■ 17.7323, 0.6278,
0.3282


■ 29.3552, 0.4654,
0.3255

■ 17.3361, 0.6378,
0.3287


■ 35.5501, 0.4237,
0.3260


■ 43.2909, 0.3885,
0.3266

■ 52.6718, 0.3597,
0.3274

 63.7794, 0.3366,
0.3281

 76.6944, 0.3181,
0.3288

 91.4921, 0.3033,
0.3294

 96.0613, 0.2993,
0.3290

Harmonies

Analogous

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



21.1741, 0.4707, 0.2529



21.1741, 0.5591, 0.3258



21.1741, 0.5514, 0.4064

Triad

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



21.1741, 0.5591, 0.3258



21.1741, 0.2524, 0.5537



21.1741, 0.1428, 0.1505

Complementary

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



21.1741, 0.5591, 0.3258



64.8982, 0.2331, 0.3352

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.



21.1741, 0.1126, 0.1775



21.1741, 0.5591, 0.3258



21.1741, 0.1607, 0.4025

Square

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



21.1741, 0.5591, 0.3258



21.1741, 0.3659, 0.5749



21.1741, 0.1161, 0.2552



21.1741, 0.2128, 0.1572

Rectangle

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



21.1741, 0.5591, 0.3258



21.1741, 0.5049, 0.4668



21.1741, 0.1161, 0.2552



21.1741, 0.1289, 0.1552

Sweetspot

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



21.1754, 0.5591, 0.3258



66.2556, 0.3565, 0.3275



25.7090, 0.3142, 0.1676



13.4502, 0.3635, 0.3273



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.



21.1754, 0.5591, 0.3258



22.3534, 0.6161, 0.3274



36.9594, 0.4878, 0.4086



15.0611, 0.3288, 0.3284



9.8413, 0.6369, 0.3282



0.7753, 0.6285, 0.3236

Inverse Universe

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



21.1754, 0.5591, 0.3258



22.3534, 0.6161, 0.3274



29.7584, 0.2020, 0.2137



15.0611, 0.3288, 0.3284



9.8413, 0.6369, 0.3282



0.7753, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 21.1741, 0.5591, 0.3258 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 21.1741, 0.5591, 0.3258 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 21.1741, 0.5591, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 21.1741, 0.5591, 0.3258.



This preview shows how white text looks on a background with the Yxy color 21.1741, 0.5591, 0.3258.

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

21.1741, 0.5591, 0.3258

Protanopia

21.2353, 0.3677, 0.3953

Deuteranopia

21.2393, 0.4358, 0.4270



Tritanopia

21.1505, 0.5616, 0.3274

Trichromacy



Original Color

21.1741, 0.5591, 0.3258

Protanomaly

19.0803, 0.4421, 0.3607

Deuteranomaly

19.7656, 0.4880, 0.3796

Tritanomaly

21.1622, 0.5604, 0.3266

Monochromacy



Original Color

21.1741, 0.5591, 0.3258

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.2156, 0.4051, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1741, 0.5591, 0.3258 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(233, 62, 67)` looks like.

```
.text, #text, p{  
    color:rgb(233, 62, 67)  
}
```

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(233, 62, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 62, 67) }
```

Border

The CSS property to change the border of an element to Yxy 21.1741, 0.5591, 0.3258 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(233, 62, 67) }
```

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

```
.border{ border-color:rgb(233, 62, 67) }
```

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

Here you see how a box with a 4 pixel rgb(233, 62, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 62, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 62, 67);  
box-shadow:4px 4px 4px 4px rgb(233, 62,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1741, 0.5591, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 62, 67) }
```

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

```
.background{ background-color: rgb(233, 62,  
67) }
```

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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