

Converting Colors

$Y_{xy}(21.9130, 0.5426, 0.3368)$

Have a look what the booklet for
Yxy(21.9130, 0.5426, 0.3368)
contains.

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Color

Yxy(21.9171, 0.5427, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	E34C44
RGB	227, 76, 68
RGB Percent	89%, 30%, 27%
CMY	0.1098, 0.7019, 0.7335
CMYK	0.00, 0.67, 0.70, 0.11
HSL	3°, 74%, 58%
HSV	3°, 70%, 89%
XYZ	35.3055, 21.9171, 7.8326
YIQ	120.2370, 92.5640, 29.5240

Conversions

Conversions Part 2

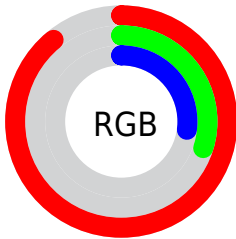
Format	Color
RYB	227, 76, 68
Decimal	14896196
CIELab	53.94, 57.96, 37.41
CIElCh	54, 68.983, 32.836
Yxy	21.9171, 0.5427, 0.3369
Android (android.graphics.Color)	4293086276 (0xFFE34C44)
YUV	120.2370, -25.7528, 93.6312
Hunter-Lab	46.8157, 52.6860, 22.8513

Details

The Yxy color **21.9171, 0.5427, 0.3369** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **57.4110, 0.2302, 0.3180**, and the grayscale version is **18.9248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0469, 0.4650, 0.3445**, and **7.9585, 0.6185, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **19.2038, 0.5861, 0.3360**, and if you desaturate by 10%, it is **25.7343, 0.4958, 0.3368**.

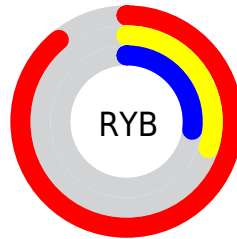
Distribution



Red (89%)

Green (30%)

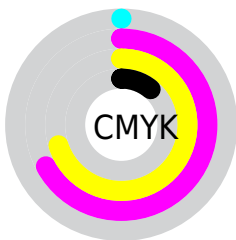
Blue (27%)



Red (89%)

Yellow (30%)

Blue (27%)

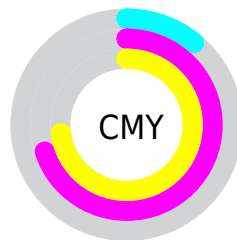


Cyan (0%)

Magenta (67%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (70%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9171, 0.5427, 0.3369 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 21.9171, 0.5427, 0.3369 by changing the saturation by 10% instead.


 21.9171, 0.5427,
0.3369


 21.9171, 0.5427,
0.3369


262.1130, 0.4155,
0.3432


 13.7960, 0.5762,
0.3303


 46.6089, 0.4945,
0.3425

 7.9789, 0.6189,
0.3184


 63.9485, 0.4769,
0.3436

 4.0815, 0.6804,
0.2997

 85.1296, 0.4623,
0.3440

 1.7192, 0.7431,
0.2569

 110.5367, 0.4499,
0.3441

 0.4361, 0.8386,
0.1614

 140.5542, 0.4394,
0.3440

 0.0000, 1.0000,
0.0000

175.5665, 0.4303,

 0.0000, 0.0000,

0.3438

0.0000

215.9580, 0.4225,
0.3435

■ 21.9171, 0.5427,
0.3369

■ 21.9171, 0.5427,
0.3369

■ 19.2038, 0.5861,
0.3360

■ 25.7343, 0.4958,
0.3368

■ 17.4737, 0.6190,
0.3341


■ 30.7523, 0.4511,
0.3360

■ 16.5815, 0.6372,
0.3322


■ 37.0617, 0.4118,
0.3347


■ 44.7431, 0.3789,
0.3332

■ 53.8710, 0.3520,
0.3318

 64.5140, 0.3303,
0.3303

 76.7368, 0.3128,
0.3290

 90.6001, 0.2987,
0.3278

 95.0708, 0.2958,
0.3290

Harmonies

Analogous

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



21.9171, 0.4686, 0.2659



21.9171, 0.5427, 0.3369



21.9171, 0.5315, 0.4150

Triad

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



21.9171, 0.5427, 0.3369



21.9171, 0.2502, 0.5210



21.9171, 0.1584, 0.1611

Complementary

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



21.9171, 0.5427, 0.3369



57.4110, 0.2302, 0.3180

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.



21.9171, 0.1259, 0.1844



21.9171, 0.5427, 0.3369



21.9171, 0.1665, 0.3816

Square

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



21.9171, 0.5427, 0.3369



21.9171, 0.3566, 0.5583



21.9171, 0.1268, 0.2532



21.9171, 0.2294, 0.1699

Rectangle

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



21.9171, 0.5427, 0.3369



21.9171, 0.4873, 0.4712



21.9171, 0.1268, 0.2532



21.9171, 0.1437, 0.1649

Sweetspot

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



21.9184, 0.5427, 0.3369



68.7601, 0.3546, 0.3319



25.5777, 0.3285, 0.1806



13.9816, 0.3617, 0.3323



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.



21.9184, 0.5427, 0.3369



23.8427, 0.6025, 0.3353



40.3350, 0.4649, 0.4212



14.4843, 0.3291, 0.3302



9.7203, 0.6363, 0.3330



0.7598, 0.6258, 0.3413

Inverse Universe

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



57.4110, 0.2302, 0.3180



72.4848, 0.2235, 0.3155



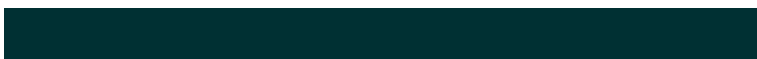
25.3928, 0.2010, 0.1997



16.2048, 0.2982, 0.3278



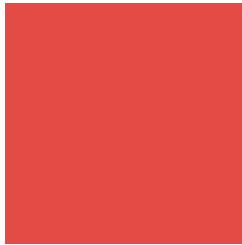
31.7842, 0.2203, 0.3132



2.3874, 0.2210, 0.3156

Previews

White Background



This preview shows how the Yxy color 21.9171, 0.5427, 0.3369 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 21.9171, 0.5427, 0.3369 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 21.9171, 0.5427, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 21.9171, 0.5427, 0.3369.



This preview shows how white text looks on a background with the Yxy color 21.9171, 0.5427, 0.3369.

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

21.9171, 0.5427, 0.3369

Protanopia

21.9641, 0.3738, 0.4028

Deuteranopia

21.9553, 0.4342, 0.4261



Tritanopia

21.7785, 0.5313, 0.3259

Trichromacy



Original Color

21.9171, 0.5427, 0.3369

Protanomaly

20.5017, 0.4385, 0.3740

Deuteranomaly

20.8462, 0.4789, 0.3871

Tritanomaly

21.8575, 0.5359, 0.3306

Monochromacy



Original Color

21.9171, 0.5427, 0.3369

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.2111, 0.3963, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9171, 0.5427, 0.3369 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(227, 76, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 76, 68)  
}
```

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(227, 76, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 76, 68) }
```

Border

The CSS property to change the border of an element to Yxy 21.9171, 0.5427, 0.3369 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(227, 76, 68) }
```

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

```
.border{ border-color:rgb(227, 76, 68) }
```

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

Here you see how a box with a 4 pixel rgb(227, 76, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 76, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 76, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 76,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9171, 0.5427, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 76, 68) }
```

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

```
.background{ background-color: rgb(227, 76,  
68) }
```

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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