

Converting Colors

$Yxy(22.4633, 0.5440, 0.3341)$

Have a look what the booklet for
Yxy(22.4633, 0.5440, 0.3341)
contains.

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Color

Yxy(22.4633, 0.5440, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	E74B46
RGB	231, 75, 70
RGB Percent	91%, 29%, 27%
CMY	0.0941, 0.7058, 0.7256
CMYK	0.00, 0.68, 0.70, 0.09
HSL	2°, 77%, 59%
HSV	2°, 70%, 91%
XYZ	36.5760, 22.4633, 8.1960
YIQ	121.0740, 94.5810, 31.5170

Conversions

Conversions Part 2

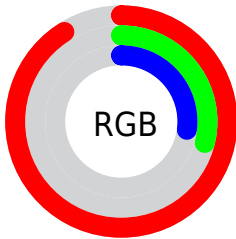
Format	Color
R_{YB}	231, 75, 70
Decimal	15158086
CIE _{Lab}	54.52, 59.74, 37.13
CIE _{LCh}	55, 70.338, 31.865
Yxy	22.4633, 0.5440, 0.3341
Android (android.graphics.Color)	4293348166 (0xFFE74B46)
YUV	121.0740, -25.1795, 96.4051
Hunter-Lab	47.3955, 54.8098, 22.9240

Details

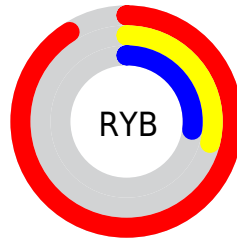
The Yxy color **22.4633, 0.5440, 0.3341** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **61.4361, 0.2314, 0.3222**, and the grayscale version is **19.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0944, 0.4628, 0.3425**, and **8.3994, 0.6171, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **19.7064, 0.5877, 0.3336**, and if you desaturate by 10%, it is **26.4017, 0.4965, 0.3340**.

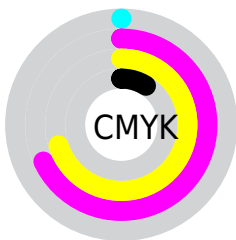
Distribution



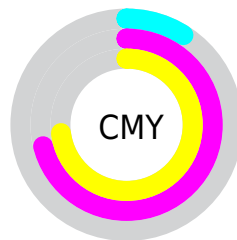
- Red (91%)
- Green (29%)
- Blue (27%)



- Red (91%)
- Yellow (29%)
- Blue (27%)



- Cyan (0%)
- Magenta (68%)
- Yellow (70%)
- Black (9%)





- Cyan (9%)
- Magenta (71%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4633, 0.5440, 0.3341 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 22.4633, 0.5440, 0.3341 by changing the saturation by 10% instead.


 22.4633, 0.5440,
0.3341


 22.4633, 0.5440,
0.3341


264.9563, 0.4166,
0.3418


 14.1977, 0.5775,
0.3273


 47.5105, 0.4958,
0.3402


 8.2583, 0.6200,
0.3152


 65.0610, 0.4782,
0.3415

 4.2607, 0.6794,
0.2957

 86.4752, 0.4635,
0.3421

 1.8204, 0.7451,
0.2549

 112.1376, 0.4511,
0.3424

 0.4999, 0.8319,
0.1681

 142.4324, 0.4405,
0.3424

 0.0000, 1.0000,
0.0000


177.7443, 0.4314,


 0.0000, 0.0000,


0.3423


0.0000


218.4574, 0.4235,
0.3421


 22.4633, 0.5440,
0.3341


 22.4633, 0.5440,
0.3341


 19.7064, 0.5877,
0.3336


 26.4017, 0.4965,
0.3340


 17.9959, 0.6204,
0.3324


 31.6299, 0.4513,
0.3334


 17.1617, 0.6380,
0.3313


 38.2483, 0.4116,
0.3326


 17.1464, 0.6384,
0.3313


 46.3462, 0.3784,
0.3317

 56.0056, 0.3514,
0.3307

 67.3025, 0.3297,
0.3298

 80.3078, 0.3123,
0.3290

 95.0884, 0.2983,
0.3282

 95.7291, 0.2982,
0.3290

Harmonies

Analogous

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



22.4633, 0.4666, 0.2630



22.4633, 0.5440, 0.3341



22.4633, 0.5348, 0.4124

Triad

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



22.4633, 0.5440, 0.3341



22.4633, 0.2525, 0.5269



22.4633, 0.1555, 0.1599

Complementary

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



22.4633, 0.5440, 0.3341



61.4361, 0.2314, 0.3222

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.



22.4633, 0.1239, 0.1844



22.4633, 0.5440, 0.3341



22.4633, 0.1671, 0.3871

Square

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



22.4633, 0.5440, 0.3341



22.4633, 0.3599, 0.5598



22.4633, 0.1259, 0.2554



22.4633, 0.2256, 0.1679

Rectangle

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



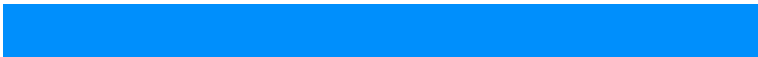
22.4633, 0.5440, 0.3341



22.4633, 0.4911, 0.4691



22.4633, 0.1259, 0.2554



22.4633, 0.1411, 0.1640

Sweetspot

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



22.4646, 0.5440, 0.3341



68.2713, 0.3548, 0.3309



26.9837, 0.3227, 0.1770



13.8683, 0.3620, 0.3311



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.



22.4646, 0.5440, 0.3341



23.4934, 0.6050, 0.3331



40.2674, 0.4693, 0.4155



14.4400, 0.3292, 0.3298



9.6458, 0.6377, 0.3319



0.7385, 0.6311, 0.3371

Inverse Universe

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



61.4361, 0.2314, 0.3222



74.9959, 0.2249, 0.3206



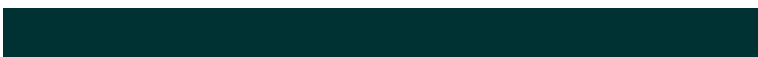
28.1865, 0.2033, 0.2084



16.2547, 0.2982, 0.3282



33.0840, 0.2220, 0.3192



2.4693, 0.2224, 0.3207

Previews

White Background



This preview shows how the Yxy color 22.4633, 0.5440, 0.3341 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 22.4633, 0.5440, 0.3341 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 22.4633, 0.5440, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 22.4633, 0.5440, 0.3341.



This preview shows how white text looks on a background with the Yxy color 22.4633, 0.5440, 0.3341.

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

22.4633, 0.5440, 0.3341

Protanopia

22.7216, 0.3719, 0.4001

Deuteranopia

22.6855, 0.4326, 0.4253



Tritanopia

22.4365, 0.5345, 0.3260

Trichromacy



Original Color

22.4633, 0.5440, 0.3341

Protanomaly

20.9921, 0.4362, 0.3707

Deuteranomaly

21.4504, 0.4788, 0.3850

Tritanomaly

22.3945, 0.5384, 0.3288

Monochromacy



Original Color

22.4633, 0.5440, 0.3341

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4370, 0.3976, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4633, 0.5440, 0.3341 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(231, 75, 70)` looks like.

```
.text, #text, p{  
    color:rgb(231, 75, 70)  
}
```

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(231, 75, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 75, 70) }
```

Border

The CSS property to change the border of an element to Yxy 22.4633, 0.5440, 0.3341 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(231, 75, 70) }
```

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

```
.border{ border-color:rgb(231, 75, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 75, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 75, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 75, 70);  
box-shadow:4px 4px 4px 4px rgb(231, 75,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4633, 0.5440, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 75, 70) }
```

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

```
.background{ background-color: rgb(231, 75,  
70) }
```

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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