

Converting Colors

$Y_{xy}(22.3587, 0.5651, 0.3385)$

Have a look what the booklet for
Yxy(22.3587, 0.5651, 0.3385)
contains.

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Color

Yxy(22.3480, 0.5646, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	EB463A
RGB	235, 70, 58
RGB Percent	92%, 27%, 23%
CMY	0.0783, 0.7256, 0.7725
CMYK	0.00, 0.70, 0.75, 0.08
HSL	4°, 82%, 57%
HSV	4°, 75%, 92%
XYZ	37.2203, 22.3480, 6.3550
YIQ	117.9670, 102.1920, 31.2480

Conversions

Conversions Part 2

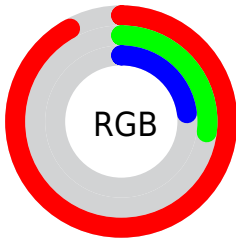
Format	Color
R_{YB}	235, 71, 58
Decimal	15418938
CIE _{Lab}	54.39, 62.38, 43.79
CIE _{LCh}	54, 76.217, 35.067
Yxy	22.3480, 0.5646, 0.3390
Android (android.graphics.Color)	4293609018 (0xFFEB463A)
YUV	117.9670, -29.5637, 102.6379
Hunter-Lab	47.2737, 57.8107, 25.1212

Details

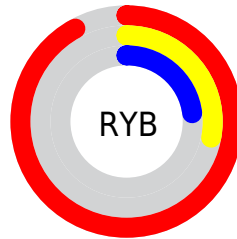
The Yxy color **22.3480, 0.5646, 0.3390** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **59.6968, 0.2262, 0.3130**, and the grayscale version is **18.1743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7390, 0.4796, 0.3511**, and **8.6870, 0.6312, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **19.9038, 0.6034, 0.3371**, and if you desaturate by 10%, it is **25.9033, 0.5189, 0.3395**.

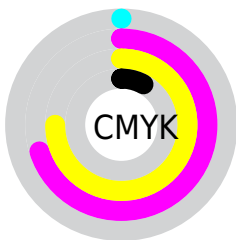
Distribution



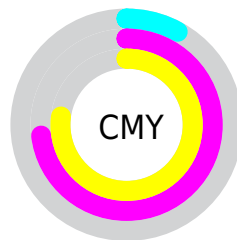
- Red (92%)
- Green (27%)
- Blue (23%)



- Red (92%)
- Yellow (28%)
- Blue (23%)



- Cyan (0%)
- Magenta (70%)
- Yellow (75%)
- Black (8%)





- Cyan (8%)
- Magenta (73%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3480, 0.5646, 0.3390 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 22.3480, 0.5646, 0.3390 by changing the saturation by 10% instead.


 22.3480, 0.5646,
0.3390


 22.3480, 0.5646,
0.3390


264.3583, 0.4275,
0.3471


 14.1128, 0.5990,
0.3309


 47.3205, 0.5137,
0.3462


 8.1992, 0.6415,
0.3165


 64.8266, 0.4947,
0.3475

 4.2227, 0.7043,
0.2957

 86.1918, 0.4788,
0.3481

 1.7989, 0.7535,
0.2465

 111.8005, 0.4654,
0.3483

 0.4865, 0.8414,
0.1586

 142.0371, 0.4538,
0.3482

 0.0000, 1.0000,
0.0000

 177.2860, 0.4439,

 0.0000, 0.0000,

0.3479

0.0000

217.9316, 0.4352,
0.3476

■ 22.3480, 0.5646,
0.3390

■ 22.3480, 0.5646,
0.3390

■ 19.9038, 0.6034,
0.3371

■ 25.9033, 0.5189,
0.3395

■ 18.4358, 0.6288,
0.3341

■ 30.6765, 0.4730,
0.3389

■ 18.0336, 0.6362,
0.3330


■ 36.7663, 0.4311,
0.3375


■ 44.2602, 0.3951,
0.3356

■ 53.2382, 0.3653,
0.3337

 63.7741, 0.3411,
0.3317

 75.9372, 0.3215,
0.3299

 89.7921, 0.3057,
0.3282

 96.4058, 0.3005,
0.3290

Harmonies

Analogous

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



22.3480, 0.4920, 0.2649



22.3480, 0.5646, 0.3390



22.3480, 0.5419, 0.4215

Triad

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



22.3480, 0.5646, 0.3390



22.3480, 0.2340, 0.5346



22.3480, 0.1517, 0.1494

Complementary

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



22.3480, 0.5646, 0.3390



59.6968, 0.2262, 0.3130

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.



22.3480, 0.1154, 0.1698



22.3480, 0.5646, 0.3390



22.3480, 0.1494, 0.3730

Square

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



22.3480, 0.5646, 0.3390



22.3480, 0.3461, 0.5812



22.3480, 0.1129, 0.2370



22.3480, 0.2296, 0.1612

Rectangle

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



22.3480, 0.5646, 0.3390



22.3480, 0.4894, 0.4830



22.3480, 0.1129, 0.2370



22.3480, 0.1355, 0.1523

Sweetspot

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



22.3493, 0.5646, 0.3390



66.7180, 0.3595, 0.3332



26.0317, 0.3329, 0.1764



13.3636, 0.3692, 0.3340



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.



22.3493, 0.5646, 0.3390



22.9204, 0.6182, 0.3357



42.5320, 0.4752, 0.4272



15.2176, 0.3291, 0.3307



10.0989, 0.6350, 0.3340



0.8505, 0.6220, 0.3443

Inverse Universe

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



59.6968, 0.2262, 0.3130



69.4411, 0.2205, 0.3096



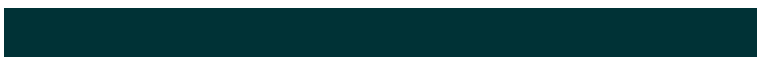
24.1462, 0.1930, 0.1837



16.9371, 0.2981, 0.3273



31.6390, 0.2188, 0.3078



2.5370, 0.2197, 0.3109

Previews

White Background



This preview shows how the Yxy color 22.3480, 0.5646, 0.3390 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 22.3480, 0.5646, 0.3390 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 22.3480, 0.5646, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 22.3480, 0.5646, 0.3390.



This preview shows how white text looks on a background with the Yxy color 22.3480, 0.5646, 0.3390.

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

22.3480, 0.5646, 0.3390

Protanopia

22.6081, 0.3872, 0.4212

Deuteranopia

22.4071, 0.4472, 0.4390



Tritanopia

22.2513, 0.5510, 0.3272

Trichromacy



Original Color

22.3480, 0.5646, 0.3390

Protanomaly

20.6096, 0.4569, 0.3847

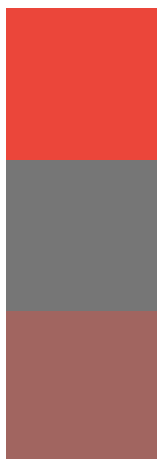
Deuteranomaly

20.9585, 0.4981, 0.3934

Tritanomaly

22.3118, 0.5563, 0.3321

Monochromacy



Original Color

22.3480, 0.5646, 0.3390

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7290, 0.4084, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3480, 0.5646, 0.3390 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(235, 70, 58)` looks like.

```
.text, #text, p{  
    color:rgb(235, 70, 58)  
}
```

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(235, 70, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 70, 58) }
```

Border

The CSS property to change the border of an element to Yxy 22.3480, 0.5646, 0.3390 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(235, 70, 58) }
```

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

```
.border{ border-color:rgb(235, 70, 58) }
```

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

Here you see how a box with a 4 pixel rgb(235, 70, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 70, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 70, 58);  
box-shadow:4px 4px 4px 4px rgb(235, 70,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3480, 0.5646, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 70, 58) }
```

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

```
.background{ background-color: rgb(235, 70,  
58) }
```

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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