

Converting Colors

$Y_{xy}(22.3121, 0.5829, 0.3541)$

Have a look what the booklet for
Yxy(22.3121, 0.5829, 0.3541)
contains.

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Color

Yxy(22.4182, 0.5829, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	EB4823
RGB	235, 72, 35
RGB Percent	92%, 28%, 14%
CMY	0.0784, 0.7176, 0.8627
CMYK	0.00, 0.69, 0.85, 0.08
HSL	11°, 83%, 53%
HSV	11°, 85%, 92%
XYZ	36.8828, 22.4182, 3.9736
YIQ	116.5190, 109.0250, 23.0490

Conversions

Conversions Part 2

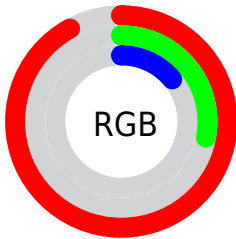
Format	Color
R_{YB}	235, 80, 35
Decimal	15419427
CIE _{Lab}	54.47, 60.96, 55.16
CIE _{LCh}	54, 82.206, 42.141
Yxy	22.4182, 0.5829, 0.3543
Android (android.graphics.Color)	4293609507 (0xFFEB4823)
YUV	116.5190, -40.1889, 103.9078
Hunter-Lab	47.3479, 56.1882, 28.1676

Details

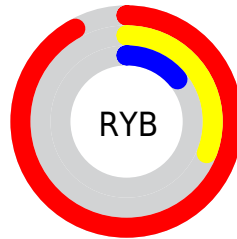
The Yxy color **22.4182, 0.5829, 0.3543** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **46.7458, 0.2131, 0.2777**, and the grayscale version is **17.7350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6006, 0.5006, 0.3713**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.2209, 0.6118, 0.3476**, and if you desaturate by 10%, it is **25.4826, 0.5447, 0.3578**.

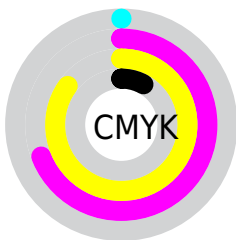
Distribution



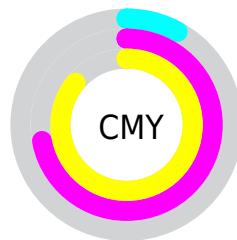
- Red (92%)
- Green (28%)
- Blue (14%)



- Red (92%)
- Yellow (31%)
- Blue (14%)



- Cyan (0%)
- Magenta (69%)
- Yellow (85%)
- Black (8%)





- Cyan (8%)
- Magenta (72%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4182, 0.5829, 0.3543 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 22.4182, 0.5829, 0.3543 by changing the saturation by 10% instead.


 22.4182, 0.5829,
0.3543


 22.4182, 0.5829,
0.3543


264.7225, 0.4400,
0.3593

 14.1645, 0.6158,
0.3449


 47.4362, 0.5317,
0.3619

 8.2352, 0.6581,
0.3300


 64.9693, 0.5120,
0.3629

 4.2458, 0.7002,
0.2998


 86.3644, 0.4953,
0.3630

 1.8120, 0.7490,
0.2510

 112.0058, 0.4809,
0.3627

 0.4946, 0.8362,
0.1638

 142.2779, 0.4685,
0.3620

 0.0000, 1.0000,
0.0000

 177.5651, 0.4577,

 0.0000, 0.0000,

0.3612

0.0000

218.2519, 0.4483,
0.3602

22.4182, 0.5829,
0.3543

22.4182, 0.5829,
0.3543

20.2209, 0.6118,
0.3476

25.4826, 0.5447,
0.3578


19.4253, 0.6224,
0.3440

29.4911, 0.5025,
0.3580


34.5160, 0.4610,
0.3556

40.6216, 0.4232,
0.3515

47.8665, 0.3905,
0.3466

 56.3052, 0.3629,
0.3413

 65.9885, 0.3399,
0.3362

 76.9645, 0.3210,
0.3313

 89.2784, 0.3055,
0.3268

Harmonies

Analogous

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



22.4182, 0.5326, 0.2771



22.4182, 0.5829, 0.3543



22.4182, 0.5351, 0.4432

Triad

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



22.4182, 0.5829, 0.3543



22.4182, 0.2014, 0.5179



22.4182, 0.1577, 0.1405

Complementary

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



22.4182, 0.5829, 0.3543



46.7458, 0.2131, 0.2777

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.



22.4182, 0.1115, 0.1522



22.4182, 0.5829, 0.3543



22.4182, 0.1260, 0.3332

Square

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



22.4182, 0.5829, 0.3543



22.4182, 0.3147, 0.6040



22.4182, 0.1004, 0.2069



22.4182, 0.2507, 0.1599

Rectangle

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



22.4182, 0.5829, 0.3543



22.4182, 0.4707, 0.5106



22.4182, 0.1004, 0.2069



22.4182, 0.1378, 0.1407

Sweetspot

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



22.4195, 0.5829, 0.3543



66.6783, 0.3654, 0.3419



22.9580, 0.3644, 0.1855



13.4909, 0.3746, 0.3437



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.



22.4195, 0.5829, 0.3543



23.3070, 0.6230, 0.3436



47.1641, 0.4713, 0.4513



15.5048, 0.3288, 0.3334



10.9451, 0.6201, 0.3458



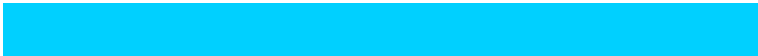
0.9869, 0.5949, 0.3658

Inverse Universe

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



46.7458, 0.2131, 0.2777



52.2466, 0.2076, 0.2674



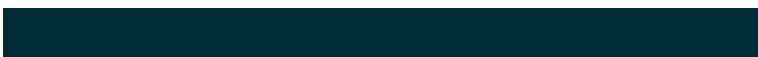
15.1546, 0.1736, 0.1310



16.6204, 0.2981, 0.3245



24.3790, 0.2080, 0.2688



2.0370, 0.2106, 0.2780

Previews

White Background



This preview shows how the Yxy color 22.4182, 0.5829, 0.3543 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 22.4182, 0.5829, 0.3543 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 22.4182, 0.5829, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 22.4182, 0.5829, 0.3543.



This preview shows how white text looks on a background with the Yxy color 22.4182, 0.5829, 0.3543.

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

22.4182, 0.5829, 0.3543

Protanopia

22.5739, 0.4158, 0.4569

Deuteranopia

22.4234, 0.4698, 0.4632



Tritanopia

22.4220, 0.5516, 0.3273

Trichromacy



Original Color

22.4182, 0.5829, 0.3543

Protanomaly

20.8063, 0.4840, 0.4126

Deuteranomaly

21.0848, 0.5213, 0.4168

Tritanomaly

22.3946, 0.5660, 0.3381

Monochromacy



Original Color

22.4182, 0.5829, 0.3543

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4691, 0.4205, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4182, 0.5829, 0.3543 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, 72, 35)` looks like.

```
.text, #text, p{  
  color:rgb(235, 72, 35)  
}
```

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, 72, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 72, 35) }
```

Border

The CSS property to change the border of an element to Yxy 22.4182, 0.5829, 0.3543 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, 72, 35) }
```

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

```
.border{ border-color:rgb(235, 72, 35) }
```

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

Here you see how a box with a 4 pixel rgb(235, 72, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 72, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 72, 35);  
box-shadow:4px 4px 4px 4px rgb(235, 72,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4182, 0.5829, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 72, 35) }
```

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

```
.background{ background-color: rgb(235, 72,  
35) }
```

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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