

Converting Colors

$Yxy(23.9444, 0.5426, 0.3419)$

Have a look what the booklet for
Yxy(23.9444, 0.5426, 0.3419)
contains.

Yxy(23.9444, 0.5426, 0.3419)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9444, 0.5426, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	EA5244
RGB	234, 82, 68
RGB Percent	92%, 32%, 27%
CMY	0.0822, 0.6785, 0.7333
CMYK	0.00, 0.65, 0.71, 0.08
HSL	5°, 80%, 59%
HSV	5°, 71%, 92%
XYZ	38.0001, 23.9444, 8.0889
YIQ	125.8520, 95.0860, 27.8700

Conversions

Conversions Part 2

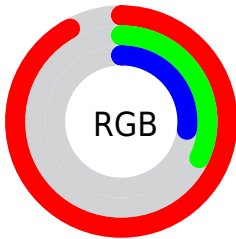
Format	Color
RYB	234, 83, 68
Decimal	15356484
CIELab	56.03, 57.86, 40.12
CIELCh	56, 70.407, 34.736
Yxy	23.9444, 0.5426, 0.3419
Android (android.graphics.Color)	4293546564 (0xFFEA5244)
YUV	125.8520, -28.5210, 94.8458
Hunter-Lab	48.9330, 52.9856, 24.4522

Details

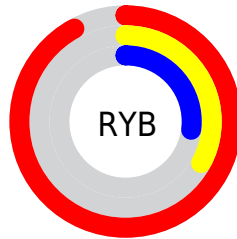
The Yxy color **23.9444, 0.5426, 0.3419** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **58.3911, 0.2278, 0.3104**, and the grayscale version is **20.8834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7213, 0.4610, 0.3507**, and **9.0339, 0.6155, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **20.9726, 0.5851, 0.3404**, and if you desaturate by 10%, it is **28.0420, 0.4966, 0.3418**.

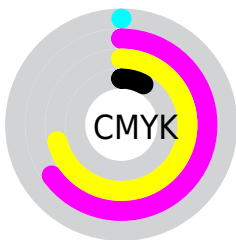
Distribution



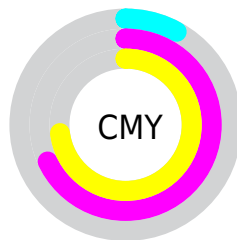
- Red (92%)
- Green (32%)
- Blue (27%)



- Red (92%)
- Yellow (33%)
- Blue (27%)



- Cyan (0%)
- Magenta (65%)
- Yellow (71%)
- Black (8%)





- Cyan (8%)
- Magenta (68%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9444, 0.5426, 0.3419 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 23.9444, 0.5426, 0.3419 by changing the saturation by 10% instead.


 23.9444, 0.5426,
0.3419


 23.9444, 0.5426,
0.3419


272.5393, 0.4175,
0.3459


 15.2924, 0.5747,
0.3360


 49.9395, 0.4958,
0.3467

 9.0248, 0.6151,
0.3251


 68.0513, 0.4785,
0.3475

 4.7574, 0.6711,
0.3074

 90.0852, 0.4640,
0.3477

 2.1056, 0.7309,
0.2691

 116.4255, 0.4518,
0.3476

 0.6678, 0.8025,
0.1975

 147.4567, 0.4413,
0.3473

 0.0000, 1.0000,
0.0000

183.5631, 0.4323,

 0.0000, 0.0000,

0.3469

0.0000

225.1292, 0.4244,
0.3464

■ 23.9444, 0.5426,
0.3419

■ 23.9444, 0.5426,
0.3419

■ 20.9726, 0.5851,
0.3404

■ 28.0420, 0.4966,
0.3418

■ 19.0105, 0.6175,
0.3372

■ 33.3586, 0.4526,
0.3405


■ 17.9869, 0.6349,
0.3341


■ 39.9822, 0.4137,
0.3385

■ 47.9916, 0.3809,
0.3361

■ 57.4592, 0.3539,
0.3337

 68.4527, 0.3319,
0.3314

 81.0352, 0.3142,
0.3292

 95.2515, 0.3000,
0.3274

 96.2375, 0.3000,
0.3290

Harmonies

Analogous

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



23.9444, 0.4741, 0.2707



23.9444, 0.5426, 0.3419



23.9444, 0.5269, 0.4202

Triad

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



23.9444, 0.5426, 0.3419



23.9444, 0.2446, 0.5124



23.9444, 0.1626, 0.1619

Complementary

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



23.9444, 0.5426, 0.3419



58.3911, 0.2278, 0.3104

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.



23.9444, 0.1281, 0.1828



23.9444, 0.5426, 0.3419



23.9444, 0.1639, 0.3718

Square

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



23.9444, 0.5426, 0.3419



23.9444, 0.3499, 0.5576



23.9444, 0.1269, 0.2479



23.9444, 0.2360, 0.1725

Rectangle

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



23.9444, 0.5426, 0.3419



23.9444, 0.4812, 0.4760



23.9444, 0.1269, 0.2479



23.9444, 0.1472, 0.1650

Sweetspot

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



23.9458, 0.5426, 0.3419



69.6192, 0.3543, 0.3338



26.8104, 0.3348, 0.1834



14.1810, 0.3612, 0.3344



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.



23.9458, 0.5426, 0.3419



24.2771, 0.6012, 0.3392



44.7727, 0.4622, 0.4274



15.2576, 0.3291, 0.3310



10.1780, 0.6336, 0.3351



0.8697, 0.6179, 0.3476

Inverse Universe

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



58.3911, 0.2278, 0.3104



68.0695, 0.2208, 0.3062



25.1151, 0.1976, 0.1893



16.8924, 0.2981, 0.3270



30.5449, 0.2174, 0.3025



2.4625, 0.2185, 0.3064

Previews

White Background



This preview shows how the Yxy color 23.9444, 0.5426, 0.3419 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 23.9444, 0.5426, 0.3419 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 23.9444, 0.5426, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 23.9444, 0.5426, 0.3419.



This preview shows how white text looks on a background with the Yxy color 23.9444, 0.5426, 0.3419.

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

23.9444, 0.5426, 0.3419

Protanopia

24.2029, 0.3801, 0.4111

Deuteranopia

23.9696, 0.4374, 0.4289



Tritanopia

24.0396, 0.5251, 0.3259

Trichromacy



Original Color

23.9444, 0.5426, 0.3419

Protanomaly

22.6390, 0.4428, 0.3820

Deuteranomaly

22.7930, 0.4809, 0.3909

Tritanomaly

24.0971, 0.5321, 0.3324

Monochromacy



Original Color

23.9444, 0.5426, 0.3419

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1711, 0.3952, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9444, 0.5426, 0.3419 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(234, 82, 68)` looks like.

```
.text, #text, p{  
    color:rgb(234, 82, 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(234, 82, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 82, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.9444, 0.5426, 0.3419 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(234, 82, 68) }
```

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

```
.border{ border-color:rgb(234, 82, 68) }
```

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

Here you see how a box with a 4 pixel rgb(234, 82, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 82, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 82, 68);  
box-shadow:4px 4px 4px 4px rgb(234, 82,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9444, 0.5426, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 82, 68) }
```

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

```
.background{ background-color: rgb(234, 82,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor