

Converting Colors

$Y_{xy}(25.2927, 0.5514, 0.3632)$

Have a look what the booklet for
Yxy(25.2927, 0.5514, 0.3632)
contains.

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Color

Yxy(25.2136, 0.5509, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	EA5B33
RGB	234, 91, 51
RGB Percent	92%, 36%, 20%
CMY	0.0824, 0.6430, 0.8000
CMYK	0.00, 0.61, 0.78, 0.08
HSL	13°, 81%, 56%
HSV	13°, 78%, 92%
XYZ	38.2649, 25.2136, 5.9804
YIQ	129.1970, 98.0680, 17.8760

Conversions

Conversions Part 2

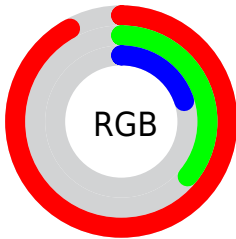
Format	Color
RYB	234, 102, 51
Decimal	15358771
CIELab	57.28, 53.32, 50.33
CIElCh	57, 73.320, 43.344
Yxy	25.2136, 0.5509, 0.3630
Android (android.graphics.Color)	4293548851 (0xFFEA5B33)
YUV	129.1970, -38.5511, 91.9122
Hunter-Lab	50.2131, 48.1530, 28.0877

Details

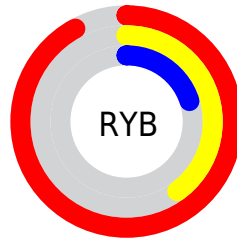
The Yxy color **25.2136, 0.5509, 0.3630** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.1979, 0.2146, 0.2733**, and the grayscale version is **22.1410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7379, 0.4720, 0.3748**, and **9.7456, 0.6181, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **22.3033, 0.5862, 0.3583**, and if you desaturate by 10%, it is **28.9916, 0.5106, 0.3639**.

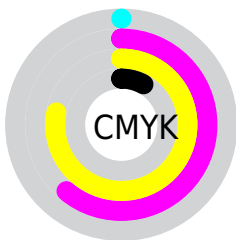
Distribution



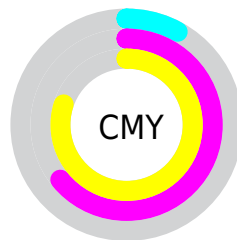
- Red (92%)
- Green (36%)
- Blue (20%)



- Red (92%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (8%)





- Cyan (8%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2136, 0.5509, 0.3630 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 25.2136, 0.5509, 0.3630 by changing the saturation by 10% instead.


 25.2136, 0.5509,
0.3630


 25.2136, 0.5509,
0.3630


278.9000, 0.4247,
0.3589


 16.2363, 0.5812,
0.3579


 52.0035, 0.5051,
0.3657

 9.6915, 0.6177,
0.3474


 70.5849, 0.4877,
0.3654

 5.1949, 0.6689,
0.3311

 93.1364, 0.4730,
0.3646

 2.3621, 0.7104,
0.2896

 120.0425, 0.4604,
0.3636

 0.8063, 0.7739,
0.2261

 151.6875, 0.4496,
0.3624

 0.0000, 1.0000,
0.0000

 188.4558, 0.4402,

 0.0000, 0.0000,

0.3612

0.0000

230.7319, 0.4319,
0.3600

■ 25.2136, 0.5509,
0.3630

■ 25.2136, 0.5509,
0.3630

■ 22.3033, 0.5862,
0.3583

■ 28.9916, 0.5106,
0.3639

■ 20.1807, 0.6124,
0.3502


■ 33.6971, 0.4699,
0.3616

■ 19.8738, 0.6163,
0.3488

■ 39.3896, 0.4321,
0.3572

■ 46.1219, 0.3987,
0.3516

■ 53.9432, 0.3702,
0.3455

 62.8994, 0.3463,
0.3394

 73.0337, 0.3264,
0.3335

 84.3872, 0.3100,
0.3281

 96.2287, 0.2999,
0.3290

Harmonies

Analogous

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



25.2136, 0.5063, 0.2892



25.2136, 0.5509, 0.3630



25.2136, 0.5128, 0.4448

Triad

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



25.2136, 0.5509, 0.3630



25.2136, 0.2151, 0.4813



25.2136, 0.1769, 0.1592

Complementary

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



25.2136, 0.5509, 0.3630



45.1979, 0.2146, 0.2733

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.



25.2136, 0.1316, 0.1702



25.2136, 0.5509, 0.3630



25.2136, 0.1456, 0.3302

Square

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



25.2136, 0.5509, 0.3630



25.2136, 0.3182, 0.5634



25.2136, 0.1207, 0.2211



25.2136, 0.2639, 0.1782

Rectangle

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



25.2136, 0.5509, 0.3630



25.2136, 0.4577, 0.5016



25.2136, 0.1207, 0.2211



25.2136, 0.1576, 0.1593

Sweetspot

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



25.2150, 0.5509, 0.3630



70.9527, 0.3575, 0.3423



23.7653, 0.3676, 0.1946



14.3598, 0.3664, 0.3446



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.



25.2150, 0.5509, 0.3630



25.3996, 0.6037, 0.3535



51.2373, 0.4545, 0.4541



15.5884, 0.3287, 0.3342



11.3217, 0.6139, 0.3508



1.0280, 0.5876, 0.3716

Inverse Universe

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



45.1979, 0.2146, 0.2733



49.8230, 0.2063, 0.2602



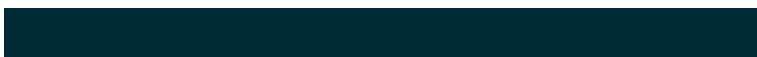
16.3106, 0.1795, 0.1391



16.5300, 0.2981, 0.3237



22.5158, 0.2047, 0.2570



1.9062, 0.2078, 0.2682

Previews

White Background



This preview shows how the Yxy color 25.2136, 0.5509, 0.3630 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 25.2136, 0.5509, 0.3630 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 25.2136, 0.5509, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 25.2136, 0.5509, 0.3630.



This preview shows how white text looks on a background with the Yxy color 25.2136, 0.5509, 0.3630.

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

25.2136, 0.5509, 0.3630

Protanopia

25.3194, 0.4062, 0.4443

Deuteranopia

25.2700, 0.4552, 0.4470



Tritanopia

25.2612, 0.5108, 0.3238

Trichromacy



Original Color

25.2136, 0.5509, 0.3630

Protanomaly

23.9356, 0.4626, 0.4113

Deuteranomaly

24.2747, 0.4949, 0.4114

Tritanomaly

25.1774, 0.5276, 0.3398

Monochromacy



Original Color

25.2136, 0.5509, 0.3630

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4165, 0.4003, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2136, 0.5509, 0.3630 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, 91, 51)` looks like.

```
.text, #text, p{  
    color:rgb(234, 91, 51)  
}
```

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, 91, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 91, 51) }
```

Border

The CSS property to change the border of an element to Yxy 25.2136, 0.5509, 0.3630 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, 91, 51) }
```

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

```
.border{ border-color:rgb(234, 91, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 91, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 91, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 91, 51);  
box-shadow:4px 4px 4px 4px rgb(234, 91,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2136, 0.5509, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 91, 51) }
```

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

```
.background{ background-color: rgb(234, 91,  
51) }
```

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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