

Converting Colors

$Y_{xy}(32.8992, 0.5949, 0.3394)$

Have a look what the booklet for
Yxy(32.8992, 0.5949, 0.3394)
contains.

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Color

Yxy(25.8706, 0.5823, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	FF4632
RGB	255, 70, 50
RGB Percent	100%, 27%, 20%
CMY	0.0000, 0.7255, 0.8037
CMYK	0.00, 0.73, 0.80, 0.00
HSL	6°, 100%, 60%
HSV	6°, 80%, 100%
XYZ	44.0095, 25.8706, 5.6986
YIQ	123.0350, 116.6800, 33.0000

Conversions

Conversions Part 2

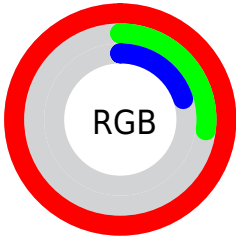
Format	Color
R_{YB}	255, 72, 50
Decimal	16729650
CIE _{Lab}	57.91, 68.22, 52.63
CIE _{LCh}	58, 86.162, 37.647
Yxy	25.8706, 0.5823, 0.3423
Android (android.graphics.Color)	4294919730 (0xFFFF4632)
YUV	123.0350, -36.0063, 115.7333
Hunter-Lab	50.8631, 65.4372, 28.9614

Details

The Yxy color **25.8706, 0.5823, 0.3423** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.3554, 0.2217, 0.3041**, and the grayscale version is **19.9126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1261, 0.4854, 0.3595**, and **10.8210, 0.6395, 0.3297** is the 20% darker color. If you saturate the color by 10%, you get **23.3594, 0.6153, 0.3388**, and if you desaturate by 10%, it is **29.6071, 0.5396, 0.3440**.

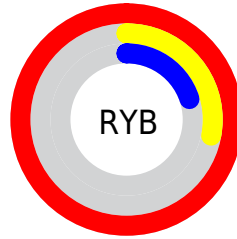
Distribution



Red (100%)

Green (27%)

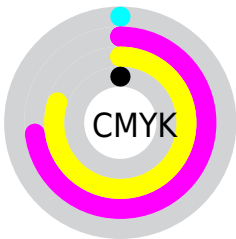
Blue (20%)



Red (100%)

Yellow (28%)

Blue (20%)

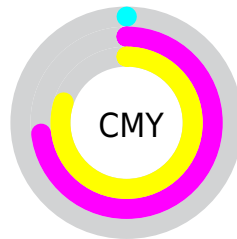


Cyan (0%)

Magenta (73%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8706, 0.5823, 0.3423 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 25.8706, 0.5823, 0.3423 by changing the saturation by 10% instead.


 25.8706, 0.5823,
0.3423


 25.8706, 0.5823,
0.3423


282.1463, 0.4413,
0.3521


 16.7269, 0.6151,
0.3332


 53.0661, 0.5319,
0.3507


 10.0399, 0.6539,
0.3179


 71.8867, 0.5125,
0.3524

 5.4254, 0.7053,
0.2947

 94.7017, 0.4960,
0.3532

 2.4990, 0.7499,
0.2501

 121.8954, 0.4818,
0.3534

 0.8761, 0.8135,
0.1865

 153.8524, 0.4696,
0.3534

 0.0000, 1.0000,
0.0000

 190.9569, 0.4589,

 0.0000, 0.0000,

0.3531

0.0000

233.5934, 0.4496,
0.3526

■ 25.8706, 0.5823,
0.3423

■ 25.8706, 0.5823,
0.3423

■ 23.3594, 0.6153,
0.3388

■ 29.6071, 0.5396,
0.3440

■ 21.9468, 0.6341,
0.3347

■ 34.6997, 0.4938,
0.3438

■ 41.2621, 0.4502,
0.3422

■ 49.3961, 0.4117,
0.3398

■ 59.1944, 0.3793,
0.3371

70.7425, 0.3526,
0.3343

84.1200, 0.3309,
0.3316

99.4015, 0.3133,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.8706, 0.5156, 0.2661



25.8706, 0.5823, 0.3423



25.8706, 0.5467, 0.4288

Triad

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



25.8706, 0.5823, 0.3423



25.8706, 0.2170, 0.5414



25.8706, 0.1482, 0.1403

Complementary

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



25.8706, 0.5823, 0.3423



67.3554, 0.2217, 0.3041

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.



25.8706, 0.1079, 0.1572



25.8706, 0.5823, 0.3423



25.8706, 0.1339, 0.3594

Square

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



25.8706, 0.5823, 0.3423



25.8706, 0.3327, 0.6016



25.8706, 0.1018, 0.2206



25.8706, 0.2333, 0.1552

Rectangle

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



25.8706, 0.5823, 0.3423



25.8706, 0.4865, 0.4951



25.8706, 0.1018, 0.2206



25.8706, 0.1305, 0.1420

Sweetspot

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



25.8706, 0.5823, 0.3423



66.3399, 0.3617, 0.3353



29.7151, 0.3380, 0.1737



13.3246, 0.3712, 0.3363



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.



25.8706, 0.5823, 0.3423



22.4269, 0.6276, 0.3362



50.0942, 0.4840, 0.4320



18.2711, 0.3292, 0.3314



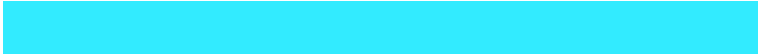
11.5612, 0.6326, 0.3359



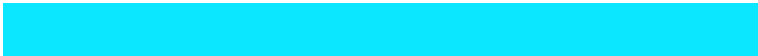
1.2162, 0.6183, 0.3473

Inverse Universe

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



67.3554, 0.2217, 0.3041



64.5447, 0.2167, 0.2989



25.3545, 0.1855, 0.1674



20.1616, 0.2980, 0.3266



33.5254, 0.2162, 0.2981



3.3482, 0.2172, 0.3019

Previews

White Background



This preview shows how the Yxy color 25.8706, 0.5823, 0.3423 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 25.8706, 0.5823, 0.3423 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 25.8706, 0.5823, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 25.8706, 0.5823, 0.3423.



This preview shows how white text looks on a background with the Yxy color 25.8706, 0.5823, 0.3423.

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

25.8706, 0.5823, 0.3423

Protanopia

26.0559, 0.4014, 0.4398

Deuteranopia

25.7263, 0.4601, 0.4517



Tritanopia

25.8492, 0.5633, 0.3276

Trichromacy



Original Color

25.8706, 0.5823, 0.3423

Protanomaly

23.6856, 0.4764, 0.3961

Deuteranomaly

23.9211, 0.5159, 0.4015

Tritanomaly

25.8751, 0.5711, 0.3339

Monochromacy



Original Color

25.8706, 0.5823, 0.3423

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4031, 0.4199, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8706, 0.5823, 0.3423 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(255, 70, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 50)  
}
```

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(255, 70, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 50) }
```

Border

The CSS property to change the border of an element to Yxy 25.8706, 0.5823, 0.3423 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(255, 70, 50) }
```

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

```
.border{ border-color:rgb(255, 70, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 70, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8706, 0.5823, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 50) }
```

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

```
.background{ background-color: rgb(255, 70,  
50) }
```

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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