

Converting Colors

$Y_{xy}(24.8871, 0.5661, 0.3200)$

Have a look what the booklet for
Yxy(24.8871, 0.5661, 0.3200)
contains.

Yxy(24.8690, 0.5667, 0.3202)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8690, 0.5667, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FF3B49
RGB	255, 59, 73
RGB Percent	100%, 23%, 29%
CMY	0.0000, 0.7688, 0.7137
CMYK	0.00, 0.77, 0.71, 0.00
HSL	356°, 100%, 62%
HSV	356°, 77%, 100%
XYZ	44.0139, 24.8690, 8.7841
YIQ	119.2000, 112.3220, 45.9060

Conversions

Conversions Part 2

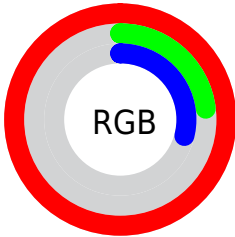
Format	Color
R_YB	255, 59, 73
Decimal	16726857
CIE Lab	56.95, 72.40, 39.35
CIE LCh	57, 82.405, 28.526
Yxy	24.8690, 0.5667, 0.3202
Android (android.graphics.Color)	4294916937 (0xFFFF3B49)
YUV	119.2000, -22.7766, 119.0966
Hunter-Lab	49.8688, 70.2726, 24.4645

Details

The Yxy color **24.8690, 0.5667, 0.3202** 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 **78.7975, 0.2345, 0.3459**, and the grayscale version is **18.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5842, 0.4657, 0.3295**, and **11.0359, 0.6192, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **22.5983, 0.6049, 0.3227**, and if you desaturate by 10%, it is **28.5304, 0.5211, 0.3191**.

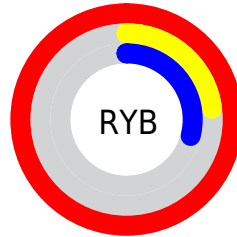
Distribution



Red (100%)

Green (23%)

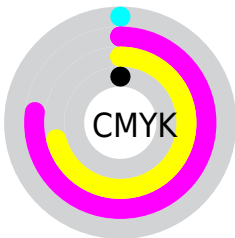
Blue (29%)



Red (100%)

Yellow (23%)

Blue (29%)

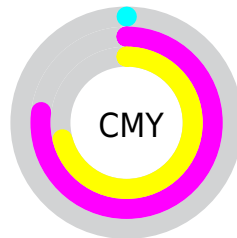


Cyan (0%)

Magenta (77%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8690, 0.5667, 0.3202 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 24.8690, 0.5667, 0.3202 by changing the saturation by 10% instead.


 24.8690, 0.5667,
0.3202


 24.8690, 0.5667,
0.3202


277.1849, 0.4298,
0.3369


 15.9795, 0.6012,
0.3111


 51.4446, 0.5160,
0.3298


 9.5096, 0.6441,
0.2965


 69.8995, 0.4971,
0.3323

 5.0751, 0.6997,
0.2735

 92.3117, 0.4812,
0.3340

 2.2914, 0.7659,
0.2341

 119.0655, 0.4678,
0.3352

 0.7691, 0.8325,
0.1675

 150.5453, 0.4562,
0.3359

 0.0000, 1.0000,
0.0000

187.1355, 0.4462,

 0.0000, 0.0000,

0.3364

0.0000

229.2206, 0.4375,
0.3367

■ 24.8690, 0.5667,
0.3202

■ 24.8690, 0.5667,
0.3202

■ 22.5983, 0.6049,
0.3227

■ 28.5304, 0.5211,
0.3191

■ 21.5060, 0.6295,
0.3262


■ 33.7693, 0.4750,
0.3193


■ 21.3045, 0.6345,
0.3269

■ 40.7328, 0.4328,
0.3205

■ 49.5540, 0.3967,
0.3222

■ 60.3528, 0.3669,
0.3240

 73.2391, 0.3429,
0.3260

 88.3145, 0.3237,
0.3278

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.



24.8690, 0.4711, 0.2466



24.8690, 0.5667, 0.3202



24.8690, 0.5608, 0.4016

Triad

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



24.8690, 0.5667, 0.3202



24.8690, 0.2535, 0.5698



24.8690, 0.1356, 0.1456

Complementary

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



24.8690, 0.5667, 0.3202



78.7975, 0.2345, 0.3459

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.



24.8690, 0.1066, 0.1744



24.8690, 0.5667, 0.3202



24.8690, 0.1581, 0.4138

Square

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



24.8690, 0.5667, 0.3202



24.8690, 0.3701, 0.5815



24.8690, 0.1112, 0.2566



24.8690, 0.2047, 0.1512

Rectangle

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



24.8690, 0.5667, 0.3202



24.8690, 0.5132, 0.4636



24.8690, 0.1112, 0.2566



24.8690, 0.1221, 0.1508

Sweetspot

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



24.8656, 0.5667, 0.3202



65.0938, 0.3570, 0.3248



28.6368, 0.3045, 0.1582



12.9848, 0.3662, 0.3241



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.



24.8656, 0.5667, 0.3202



21.9094, 0.6195, 0.3244



40.5213, 0.5086, 0.4002



18.0082, 0.3283, 0.3273



11.1397, 0.6327, 0.3259



1.0916, 0.6164, 0.3169

Inverse Universe

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



24.8656, 0.5667, 0.3202



21.9094, 0.6195, 0.3244



38.1586, 0.2013, 0.2204



18.0082, 0.3283, 0.3273



11.1397, 0.6327, 0.3259



1.0916, 0.6164, 0.3169

Previews

White Background



This preview shows how the Yxy color 24.8690, 0.5667, 0.3202 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 24.8690, 0.5667, 0.3202 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 24.8690, 0.5667, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 24.8690, 0.5667, 0.3202.



This preview shows how white text looks on a background with the Yxy color 24.8690, 0.5667, 0.3202.

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

24.8690, 0.5667, 0.3202

Protanopia

25.0145, 0.3640, 0.3912

Deuteranopia

24.7372, 0.4359, 0.4281



Tritanopia

24.9453, 0.5776, 0.3291

Trichromacy



Original Color

24.8690, 0.5667, 0.3202

Protanomaly

22.1146, 0.4434, 0.3557

Deuteranomaly

22.5616, 0.4948, 0.3756

Tritanomaly

24.8851, 0.5740, 0.3258

Monochromacy



Original Color

24.8690, 0.5667, 0.3202

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.8335, 0.4115, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8690, 0.5667, 0.3202 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, 59, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 73)  
}
```

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, 59, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 73) }
```

Border

The CSS property to change the border of an element to Yxy 24.8690, 0.5667, 0.3202 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, 59, 73) }
```

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

```
.border{ border-color:rgb(255, 59, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8690, 0.5667, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 73) }
```

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

```
.background{ background-color: rgb(255, 59,  
73) }
```

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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