

Converting Colors

$Y_{xy}(25.9238, 0.5723, 0.3352)$

Have a look what the booklet for
Yxy(25.9238, 0.5723, 0.3352)
contains.

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Color

Yxy(25.9772, 0.5724, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	FF463D
RGB	255, 70, 61
RGB Percent	100%, 27%, 24%
CMY	0.0001, 0.7253, 0.7609
CMYK	0.00, 0.73, 0.76, 0.00
HSL	3°, 100%, 62%
HSV	3°, 76%, 100%
XYZ	44.2672, 25.9772, 7.0917
YIQ	124.2890, 113.1490, 36.4210

Conversions

Conversions Part 2

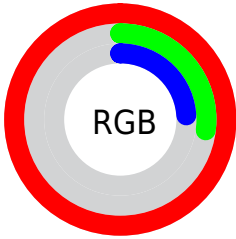
Format	Color
RYB	255, 70, 61
Decimal	16729661
CIELab	58.02, 68.54, 47.14
CIElCh	58, 83.187, 34.522
Yxy	25.9772, 0.5724, 0.3359
Android (android.graphics.Color)	4294919741 (0xFFFF463D)
YUV	124.2890, -31.2015, 114.6335
Hunter-Lab	50.9678, 65.8392, 27.4278

Details

The Yxy color **25.9772, 0.5724, 0.3359** 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 **74.0684, 0.2270, 0.3178**, and the grayscale version is **20.3405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3511, 0.4739, 0.3493**, and **10.9846, 0.6310, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **23.3142, 0.6098, 0.3344**, and if you desaturate by 10%, it is **30.0035, 0.5266, 0.3364**.

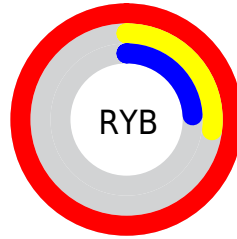
Distribution



Red (100%)

Green (27%)

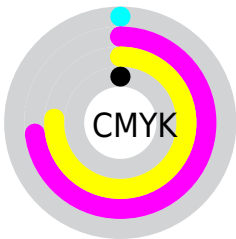
Blue (24%)



Red (100%)

Yellow (27%)

Blue (24%)

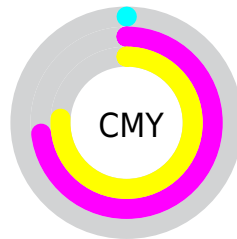


Cyan (0%)

Magenta (73%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9772, 0.5724, 0.3359 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 25.9772, 0.5724, 0.3359 by changing the saturation by 10% instead.


 25.9772, 0.5724,
0.3359


 25.9772, 0.5724,
0.3359


282.6701, 0.4349,
0.3467


 16.8066, 0.6055,
0.3274


 53.2382, 0.5225,
0.3440


 10.0967, 0.6457,
0.3133

 72.0973, 0.5035,
0.3457


 5.4631, 0.7026,
0.2931

 94.9547, 0.4875,
0.3467

 2.5215, 0.7502,
0.2498

 122.1949, 0.4738,
0.3471

 0.8874, 0.8136,
0.1864

 154.2021, 0.4620,
0.3473

 0.0000, 1.0000,
0.0000

 191.3607, 0.4518,

 0.0000, 0.0000,

0.3472

0.0000

234.0553, 0.4428,
0.3470

■ 25.9772, 0.5724,
0.3359

■ 25.9772, 0.5724,
0.3359

■ 23.3142, 0.6098,
0.3344

■ 30.0035, 0.5266,
0.3364

■ 21.8307, 0.6326,
0.3323


■ 35.5372, 0.4795,
0.3360


■ 21.5176, 0.6378,
0.3318

■ 42.7091, 0.4362,
0.3351

■ 51.6348, 0.3989,
0.3338

■ 62.4193, 0.3681,
0.3324

 75.1593, 0.3431,
0.3310

 89.9449, 0.3230,
0.3297

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



25.9772, 0.4963, 0.2611



25.9772, 0.5724, 0.3359



25.9772, 0.5486, 0.4196

Triad

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



25.9772, 0.5724, 0.3359



25.9772, 0.2321, 0.5463



25.9772, 0.1464, 0.1449

Complementary

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



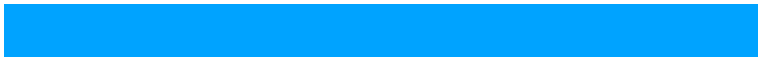
25.9772, 0.5724, 0.3359



74.0684, 0.2270, 0.3178

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.



25.9772, 0.1103, 0.1659



25.9772, 0.5724, 0.3359



25.9772, 0.1453, 0.3773

Square

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



25.9772, 0.5724, 0.3359



25.9772, 0.3468, 0.5895



25.9772, 0.1081, 0.2349



25.9772, 0.2249, 0.1565

Rectangle

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



25.9772, 0.5724, 0.3359



25.9772, 0.4942, 0.4830



25.9772, 0.1081, 0.2349



25.9772, 0.1303, 0.1479

Sweetspot

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



25.9788, 0.5724, 0.3359



66.1506, 0.3598, 0.3320



31.4004, 0.3266, 0.1712



13.2310, 0.3695, 0.3325



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.



25.9788, 0.5724, 0.3359



22.4542, 0.6231, 0.3334



48.3034, 0.4839, 0.4217



18.1231, 0.3293, 0.3302



11.3029, 0.6368, 0.3325



1.1463, 0.6292, 0.3386

Inverse Universe

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



74.0684, 0.2270, 0.3178



72.1944, 0.2220, 0.3155



30.5078, 0.1939, 0.1901



20.3272, 0.2980, 0.3278



37.3553, 0.2207, 0.3143



3.6803, 0.2211, 0.3161

Previews

White Background



This preview shows how the Yxy color 25.9772, 0.5724, 0.3359 looks on a white background.

Color Contrast Check

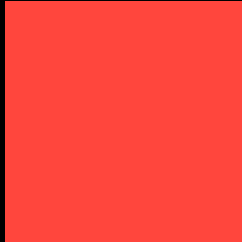
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9772, 0.5724, 0.3359 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 25.9772, 0.5724, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 25.9772, 0.5724, 0.3359.



This preview shows how white text looks on a background with the Yxy color 25.9772, 0.5724, 0.3359.

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

25.9772, 0.5724, 0.3359

Protanopia

26.1530, 0.3871, 0.4205

Deuteranopia

26.1024, 0.4498, 0.4414



Tritanopia

25.9841, 0.5615, 0.3276

Trichromacy



Original Color

25.9772, 0.5724, 0.3359

Protanomaly

23.7166, 0.4613, 0.3820

Deuteranomaly

24.2463, 0.5038, 0.3925

Tritanomaly

25.9336, 0.5659, 0.3305

Monochromacy



Original Color

25.9772, 0.5724, 0.3359

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6109, 0.4139, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9772, 0.5724, 0.3359 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, 61)` looks like.

```
.text, #text, p{  
  color:rgb(255, 70, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 61) }
```

Border

The CSS property to change the border of an element to Yxy 25.9772, 0.5724, 0.3359 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, 61) }
```

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

```
.border{ border-color:rgb(255, 70, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9772, 0.5724, 0.3359 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, 61) }
```

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

```
.background{ background-color: rgb(255, 70,  
61) }
```

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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