

Converting Colors

$Yxy(22.3224, 0.5860, 0.3374)$

Have a look what the booklet for
Yxy(22.3224, 0.5860, 0.3374)
contains.

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Color

Yxy(22.3224, 0.5860, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	F23C30
RGB	242, 60, 48
RGB Percent	95%, 24%, 19%
CMY	0.0510, 0.7647, 0.8115
CMYK	0.00, 0.75, 0.80, 0.05
HSL	4°, 88%, 57%
HSV	4°, 80%, 95%
XYZ	38.7698, 22.3224, 5.0679
YIQ	113.0500, 112.3240, 34.8520

Conversions

Conversions Part 2

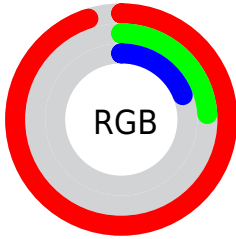
Format	Color
R_{YB}	242, 61, 48
Decimal	15875120
CIE _{Lab}	54.37, 67.51, 49.38
CIE _{LCh}	54, 83.639, 36.186
Yxy	22.3224, 0.5860, 0.3374
Android (android.graphics.Color)	4294065200 (0xFFFF23C30)
YUV	113.0500, -32.0696, 113.0891
Hunter-Lab	47.2466, 63.7927, 26.7129

Details

The Yxy color **22.3224, 0.5860, 0.3374** 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 **63.6702, 0.2243, 0.3134**, and the grayscale version is **16.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7793, 0.4955, 0.3532**, and **9.3493, 0.6394, 0.3296** is the 20% darker color. If you saturate the color by 10%, you get **20.2847, 0.6187, 0.3351**, and if you desaturate by 10%, it is **25.4917, 0.5427, 0.3385**.

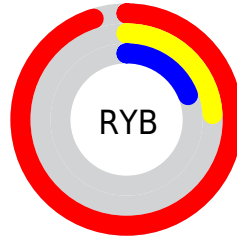
Distribution



Red (95%)

Green (24%)

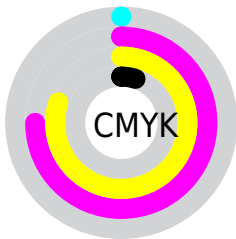
Blue (19%)



Red (95%)

Yellow (24%)

Blue (19%)

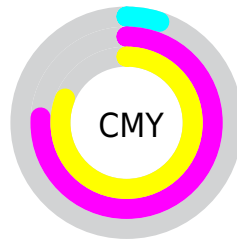


Cyan (0%)

Magenta (75%)

Yellow (80%)

Black (5%)



Cyan (5%)


Magenta (76%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3224, 0.5860, 0.3374 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 22.3224, 0.5860, 0.3374 by changing the saturation by 10% instead.


 22.3224, 0.5860,
0.3374

 22.3224, 0.5860,
0.3374


264.2253, 0.4394,
0.3496


 14.0940, 0.6212,
0.3271


 47.2783, 0.5327,
0.3470

 8.1861, 0.6638,
0.3100


 64.7745, 0.5124,
0.3489


 4.2142, 0.7176,
0.2824

 86.1289, 0.4953,
0.3500

 1.7941, 0.7680,
0.2320

 111.7256, 0.4807,
0.3504

 0.4835, 0.8549,
0.1451

 141.9493, 0.4682,
0.3505

 0.0000, 1.0000,
0.0000

 177.1842, 0.4573,

 0.0000, 0.0000,

0.3503

0.0000

217.8147, 0.4478,
0.3500

■ 22.3224, 0.5860,
0.3374

■ 22.3224, 0.5860,
0.3374

■ 20.2847, 0.6187,
0.3351

■ 25.4917, 0.5427,
0.3385


■ 19.2170, 0.6368,
0.3326


■ 29.9203, 0.4960,
0.3384


■ 35.7230, 0.4514,
0.3374


■ 43.0006, 0.4122,
0.3359

■ 51.8445, 0.3792,
0.3341

 62.3388, 0.3523,
0.3324

 74.5613, 0.3305,
0.3306

 88.5851, 0.3129,
0.3290

 97.6181, 0.3048,
0.3290

Harmonies

Analogous

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



22.3224, 0.5134, 0.2611



22.3224, 0.5860, 0.3374



22.3224, 0.5529, 0.4238

Triad

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



22.3224, 0.5860, 0.3374



22.3224, 0.2199, 0.5535



22.3224, 0.1431, 0.1379

Complementary

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



22.3224, 0.5860, 0.3374



63.6702, 0.2243, 0.3134

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.



22.3224, 0.1044, 0.1565



22.3224, 0.5860, 0.3374



22.3224, 0.1340, 0.3685

Square

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



22.3224, 0.5860, 0.3374



22.3224, 0.3374, 0.6050



22.3224, 0.0997, 0.2232



22.3224, 0.2264, 0.1515

Rectangle

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



22.3224, 0.5860, 0.3374



22.3224, 0.4930, 0.4912



22.3224, 0.0997, 0.2232



22.3224, 0.1260, 0.1402

Sweetspot

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



22.3238, 0.5860, 0.3374



65.3370, 0.3622, 0.3331



26.8406, 0.3307, 0.1697



13.0916, 0.3719, 0.3337



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.



22.3238, 0.5860, 0.3374



21.9893, 0.6312, 0.3333



42.4447, 0.4898, 0.4257



15.9149, 0.3292, 0.3305



10.3874, 0.6356, 0.3335



0.9186, 0.6242, 0.3426

Inverse Universe

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



63.6702, 0.2243, 0.3134



69.5636, 0.2199, 0.3101



24.4624, 0.1884, 0.1775



17.7525, 0.2981, 0.3275



33.0618, 0.2194, 0.3097



2.8006, 0.2201, 0.3124

Previews

White Background



This preview shows how the Yxy color 22.3224, 0.5860, 0.3374 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 22.3224, 0.5860, 0.3374 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 22.3224, 0.5860, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 22.3224, 0.5860, 0.3374.



This preview shows how white text looks on a background with the Yxy color 22.3224, 0.5860, 0.3374.

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

22.3224, 0.5860, 0.3374

Protanopia

22.5792, 0.3975, 0.4344

Deuteranopia

22.4121, 0.4585, 0.4511



Tritanopia

22.2296, 0.5754, 0.3284

Trichromacy



Original Color

22.3224, 0.5860, 0.3374

Protanomaly

20.1434, 0.4766, 0.3884

Deuteranomaly

20.6538, 0.5162, 0.3987

Tritanomaly

22.2907, 0.5790, 0.3318

Monochromacy



Original Color

22.3224, 0.5860, 0.3374

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2003, 0.4229, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3224, 0.5860, 0.3374 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(242, 60, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 60, 48)  
}
```

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(242, 60, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 60, 48) }
```

Border

The CSS property to change the border of an element to Yxy 22.3224, 0.5860, 0.3374 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(242, 60, 48) }
```

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

```
.border{ border-color:rgb(242, 60, 48) }
```

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

Here you see how a box with a 4 pixel rgb(242, 60, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 60, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 60, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 60,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3224, 0.5860, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 60, 48) }
```

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

```
.background{ background-color: rgb(242, 60,  
48) }
```

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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