

Converting Colors

$Y_{xy}(23.0569, 0.6225, 0.3402)$

Have a look what the booklet for
Yxy(23.0569, 0.6225, 0.3402)
contains.

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Color

Yxy(23.0833, 0.6224, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	FF2C0A
RGB	255, 44, 10
RGB Percent	100%, 17%, 4%
CMY	0.0000, 0.8273, 0.9613
CMYK	0.00, 0.83, 0.96, 0.00
HSL	8°, 100%, 52%
HSV	8°, 96%, 100%
XYZ	42.1940, 23.0833, 2.5151
YIQ	103.2130, 136.6700, 34.1580

Conversions

Conversions Part 2

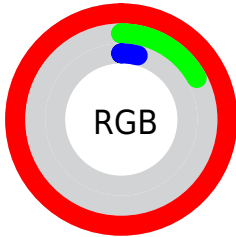
Format	Color
RYB	255, 49, 10
Decimal	16722954
CIELab	55.16, 74.71, 65.73
CIELCh	55, 99.505, 41.341
Yxy	23.0833, 0.6224, 0.3405
Android (android.graphics.Color)	4294913034 (0xFFFF2C0A)
YUV	103.2130, -45.9540, 133.1172
Hunter-Lab	48.0451, 72.6827, 30.5278

Details

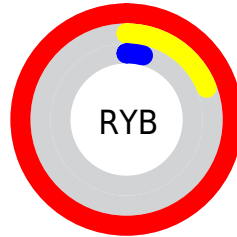
The Yxy color **23.0833, 0.6224, 0.3405** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **58.9086, 0.2130, 0.2852**, and the grayscale version is **13.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2417, 0.5318, 0.3681**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.4931, 0.6296, 0.3383**, and if you desaturate by 10%, it is **25.2769, 0.5960, 0.3464**.

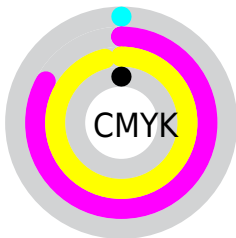
Distribution



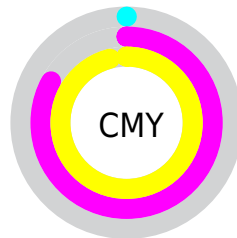
- Red (100%)
- Green (17%)
- Blue (4%)



- Red (100%)
- Yellow (19%)
- Blue (4%)



- Cyan (0%)
- Magenta (83%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (83%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0833, 0.6224, 0.3405 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 23.0833, 0.6224, 0.3405 by changing the saturation by 10% instead.

 23.0833, 0.6224,
0.3405


 23.0833, 0.6224,
0.3405


268.1526, 0.4652,
0.3603


 14.6550, 0.6551,
0.3260


 48.5301, 0.5688,
0.3550

 8.5776, 0.6952,
0.3048


 66.3174, 0.5473,
0.3583

 4.4667, 0.7318,
0.2682

 87.9931, 0.5287,
0.3601

 1.9379, 0.7818,
0.2182

 113.9417, 0.5125,
0.3610

 0.5710, 0.8588,
0.1412

 144.5476, 0.4983,
0.3613

 0.0000, 1.0000,
0.0000


 180.1950, 0.4859,


 0.0000, 0.0000,


0.3612


0.0000


 221.2686, 0.4749,
0.3608


 23.0833, 0.6224,
0.3405

 23.0833, 0.6224,
0.3405


 22.4931, 0.6296,
0.3383

 25.2769, 0.5960,
0.3464

 28.5621, 0.5581,
0.3499

 33.0613, 0.5145,
0.3507

 38.8793, 0.4707,
0.3493

 46.1092, 0.4305,
0.3464

■ 54.8357, 0.3957,
0.3428

■ 65.1367, 0.3666,
0.3388

■ 77.0847, 0.3425,
0.3349

■ 90.7478, 0.3229,
0.3312

Harmonies

Analogous

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



23.0833, 0.5693, 0.2616



23.0833, 0.6224, 0.3405



23.0833, 0.5604, 0.4385

Triad

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



23.0833, 0.6224, 0.3405



23.0833, 0.1797, 0.5688



23.0833, 0.1355, 0.1184

Complementary

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



23.0833, 0.6224, 0.3405



58.9086, 0.2130, 0.2852

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.



23.0833, 0.0888, 0.1298



23.0833, 0.6224, 0.3405



23.0833, 0.1005, 0.3335

Square

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



23.0833, 0.6224, 0.3405



23.0833, 0.3021, 0.6552



23.0833, 0.0768, 0.1867



23.0833, 0.2352, 0.1382

Rectangle

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



23.0833, 0.6224, 0.3405



23.0833, 0.4816, 0.5184



23.0833, 0.0768, 0.1867



23.0833, 0.1152, 0.1185

Sweetspot

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



23.0848, 0.6224, 0.3405



62.0154, 0.3744, 0.3400



26.7642, 0.3568, 0.1750



12.3336, 0.3868, 0.3416



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.



23.0848, 0.6224, 0.3405



22.4940, 0.6296, 0.3383



48.2334, 0.4992, 0.4396



18.3952, 0.3291, 0.3324



11.8769, 0.6276, 0.3399



1.2745, 0.6097, 0.3541

Inverse Universe

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



58.9086, 0.2130, 0.2852



58.1243, 0.2120, 0.2833



16.3501, 0.1674, 0.1206



20.0243, 0.2980, 0.3256



30.5374, 0.2123, 0.2841



3.0869, 0.2138, 0.2897

Previews

White Background



This preview shows how the Yxy color 23.0833, 0.6224, 0.3405 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 23.0833, 0.6224, 0.3405 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 23.0833, 0.6224, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 23.0833, 0.6224, 0.3405.



This preview shows how white text looks on a background with the Yxy color 23.0833, 0.6224, 0.3405.

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

23.0833, 0.6224, 0.3405

Protanopia

23.2744, 0.4284, 0.4735

Deuteranopia

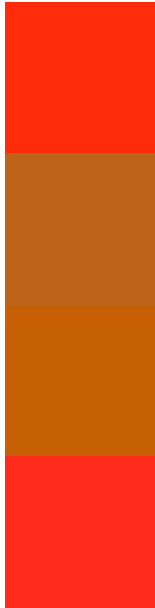
23.1372, 0.4701, 0.4649



Tritanopia

23.0691, 0.6087, 0.3308

Trichromacy



Original Color

23.0833, 0.6224, 0.3405

Protanomaly

20.0689, 0.5209, 0.4089

Deuteranomaly

20.5166, 0.5455, 0.4032

Tritanomaly

23.0765, 0.6153, 0.3355

Monochromacy



Original Color

23.0833, 0.6224, 0.3405

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.7334, 0.4635, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0833, 0.6224, 0.3405 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, 44, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 10)  
}
```

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, 44, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 10) }
```

Border

The CSS property to change the border of an element to Yxy 23.0833, 0.6224, 0.3405 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, 44, 10) }
```

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

```
.border{ border-color:rgb(255, 44, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0833, 0.6224, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 10) }
```

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

```
.background{ background-color: rgb(255, 44,  
10) }
```

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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