

Converting Colors

$Y_{xy}(23.2839, 0.6223, 0.3428)$

Have a look what the booklet for
Yxy(23.2839, 0.6223, 0.3428)
contains.

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Color

Yxy(23.3018, 0.6221, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F04
RGB	255, 47, 4
RGB Percent	100%, 18%, 2%
CMY	0.0000, 0.8155, 0.9851
CMYK	0.00, 0.82, 0.99, 0.00
HSL	10°, 100%, 51%
HSV	10°, 99%, 100%
XYZ	42.2749, 23.3018, 2.3784
YIQ	104.2900, 137.7710, 30.7230

Conversions

Conversions Part 2

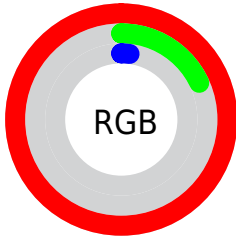
Format	Color
R_{YB}	255, 56, 4
Decimal	16723716
CIE Lab	55.38, 73.99, 67.16
CIE LCh	55, 99.925, 42.233
Yxy	23.3018, 0.6221, 0.3429
Android (android.graphics.Color)	4294913796 (0xFFFF2F04)
YUV	104.2900, -49.4430, 132.1727
Hunter-Lab	48.2719, 71.8481, 30.8691

Details

The Yxy color **23.3018, 0.6221, 0.3429** 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 **54.1977, 0.2093, 0.2728**, and the grayscale version is **14.0334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4291, 0.5332, 0.3710**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.0526, 0.6250, 0.3420**, and if you desaturate by 10%, it is **25.5014, 0.5977, 0.3501**.

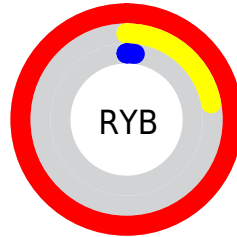
Distribution



Red (100%)

Green (18%)

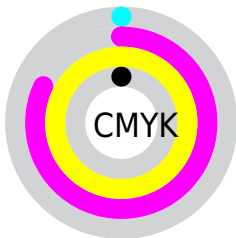
Blue (2%)



Red (100%)

Yellow (22%)

Blue (2%)

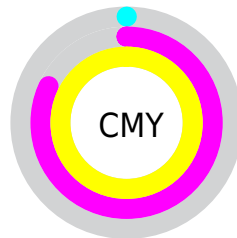


Cyan (0%)

Magenta (82%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3018, 0.6221, 0.3429 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 23.3018, 0.6221, 0.3429 by changing the saturation by 10% instead.


 23.3018, 0.6221,
0.3429


 23.3018, 0.6221,
0.3429


269.2713, 0.4659,
0.3620


 14.8165, 0.6543,
0.3285


 48.8884, 0.5692,
0.3573

 8.6907, 0.6929,
0.3071


 66.7585, 0.5478,
0.3605


 4.5400, 0.7291,
0.2709

 88.5257, 0.5293,
0.3623

 1.9800, 0.7787,
0.2213

 114.5743, 0.5132,
0.3631

 0.5958, 0.8541,
0.1459

 145.2888, 0.4990,
0.3633


 0.0000, 1.0000,
0.0000


 181.0535, 0.4866,


 0.0000, 0.0000,

0.3631


0.0000

 222.2529, 0.4757,
0.3626


 23.3018, 0.6221,
0.3429


 23.3018, 0.6221,
0.3429


 23.0526, 0.6250,
0.3420

 25.5014, 0.5977,
0.3501

 28.7208, 0.5621,
0.3547

 33.0741, 0.5202,
0.3561

 38.6564, 0.4773,
0.3548

 45.5528, 0.4373,
0.3515

■ 53.8404, 0.4021,
0.3471

■ 63.5903, 0.3723,
0.3422

■ 74.8689, 0.3476,
0.3374

■ 87.7383, 0.3272,
0.3327

Harmonies

Analogous

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



23.3018, 0.5732, 0.2638



23.3018, 0.6221, 0.3429



23.3018, 0.5577, 0.4419

Triad

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



23.3018, 0.6221, 0.3429



23.3018, 0.1763, 0.5628



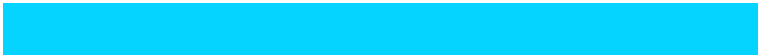
23.3018, 0.1375, 0.1185

Complementary

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



23.3018, 0.6221, 0.3429



54.1977, 0.2093, 0.2728

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.



23.3018, 0.0895, 0.1288



23.3018, 0.6221, 0.3429



23.3018, 0.0989, 0.3273

Square

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



23.3018, 0.6221, 0.3429



23.3018, 0.2981, 0.6566



23.3018, 0.0766, 0.1839



23.3018, 0.2391, 0.1391

Rectangle

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



23.3018, 0.6221, 0.3429



23.3018, 0.4778, 0.5222



23.3018, 0.0766, 0.1839



23.3018, 0.1167, 0.1182

Sweetspot

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



23.3033, 0.6221, 0.3429



62.0504, 0.3764, 0.3430



26.1507, 0.3683, 0.1807



12.3826, 0.3887, 0.3450



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.



23.3033, 0.6221, 0.3429



23.0547, 0.6250, 0.3420



50.4894, 0.4932, 0.4458



18.4925, 0.3290, 0.3332



12.1928, 0.6228, 0.3437



1.3205, 0.6032, 0.3592

Inverse Universe

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



54.1977, 0.2093, 0.2728



53.8528, 0.2089, 0.2719



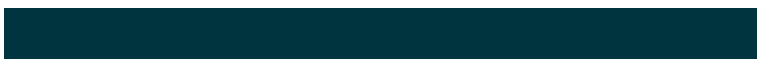
14.1456, 0.1634, 0.1073



19.9177, 0.2980, 0.3248



28.3346, 0.2092, 0.2730



2.8928, 0.2111, 0.2800

Previews

White Background



This preview shows how the Yxy color 23.3018, 0.6221, 0.3429 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 23.3018, 0.6221, 0.3429 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 23.3018, 0.6221, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 23.3018, 0.6221, 0.3429.



This preview shows how white text looks on a background with the Yxy color 23.3018, 0.6221, 0.3429.

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

23.3018, 0.6221, 0.3429

Protanopia

23.3580, 0.4306, 0.4742

Deuteranopia

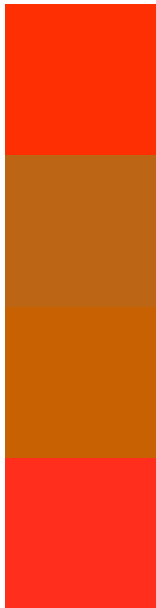
23.2465, 0.4713, 0.4640



Tritanopia

23.3186, 0.6040, 0.3303

Trichromacy



Original Color

23.3018, 0.6221, 0.3429

Protanomaly

20.2483, 0.5215, 0.4120

Deuteranomaly

20.8309, 0.5456, 0.4045

Tritanomaly

23.3027, 0.6136, 0.3369

Monochromacy



Original Color

23.3018, 0.6221, 0.3429

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.9748, 0.4655, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3018, 0.6221, 0.3429 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, 47, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 4)  
}
```

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, 47, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 4) }
```

Border

The CSS property to change the border of an element to Yxy 23.3018, 0.6221, 0.3429 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, 47, 4) }
```

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

```
.border{ border-color:rgb(255, 47, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 47, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 47, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3018, 0.6221, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 4) }
```

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

```
.background{ background-color: rgb(255, 47,  
4) }
```

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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