

Converting Colors

$Y_{xy}(23.0865, 0.6069, 0.3297)$

Have a look what the booklet for
Yxy(23.0865, 0.6069, 0.3297)
contains.

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Color

Yxy(23.0831, 0.6072, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	FF2A2A
RGB	255, 42, 42
RGB Percent	100%, 16%, 16%
CMY	0.0000, 0.8352, 0.8355
CMYK	0.00, 0.84, 0.84, 0.00
HSL	0°, 100%, 58%
HSV	0°, 84%, 100%
XYZ	42.4858, 23.0831, 4.4011
YIQ	105.6870, 126.9480, 45.1560

Conversions

Conversions Part 2

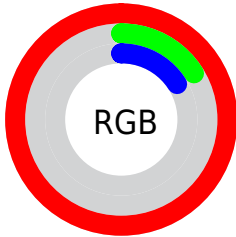
Format	Color
R_{YB}	255, 42, 42
Decimal	16722474
CIE _{Lab}	55.16, 75.59, 54.05
CIE _{LCh}	55, 92.922, 35.567
Yxy	23.0831, 0.6072, 0.3299
Android (android.graphics.Color)	4294912554 (0xFFFF2A2A)
YUV	105.6870, -31.3977, 130.9475
Hunter-Lab	48.0449, 73.7679, 28.2002

Details

The Yxy color **23.0831, 0.6072, 0.3299** 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 **79.1797, 0.2272, 0.3287**, and the grayscale version is **14.3858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3671, 0.5097, 0.3487**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6852, 0.6319, 0.3300**, and if you desaturate by 10%, it is **25.7460, 0.5675, 0.3298**.

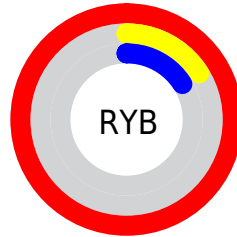
Distribution



Red (100%)

Green (16%)

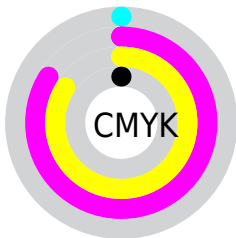
Blue (16%)



Red (100%)

Yellow (16%)

Blue (16%)

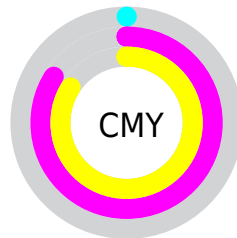


Cyan (0%)

Magenta (84%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0831, 0.6072, 0.3299 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 23.0831, 0.6072, 0.3299 by changing the saturation by 10% instead.


 23.0831, 0.6072,
0.3299


 23.0831, 0.6072,
0.3299


268.1515, 0.4523,
0.3491


 14.6549, 0.6426,
0.3174


 48.5297, 0.5520,
0.3426

 8.5775, 0.6860,
0.2981


 66.3170, 0.5307,
0.3456


 4.4667, 0.7338,
0.2662

 87.9926, 0.5125,
0.3475

 1.9379, 0.7839,
0.2161

 113.9411, 0.4969,
0.3485

 0.5710, 0.8607,
0.1393

 144.5469, 0.4834,
0.3491

 0.0000, 1.0000,
0.0000

 180.1943, 0.4717,

 0.0000, 0.0000,

0.3493

0.0000

221.2677, 0.4614,
0.3492

■ 23.0831, 0.6072,
0.3299

■ 23.0831, 0.6072,
0.3299

■ 21.6852, 0.6319,
0.3300

■ 25.7460, 0.5675,
0.3298

■ 21.2621, 0.6401,
0.3300

■ 29.8783, 0.5200,
0.3297

■ 35.6517, 0.4721,
0.3295

■ 43.2131, 0.4287,
0.3294

■ 52.6935, 0.3919,
0.3293

64.2114, 0.3619,
0.3292

77.8757, 0.3378,
0.3291

93.7879, 0.3186,
0.3290

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.



23.0831, 0.5290, 0.2524



23.0831, 0.6072, 0.3299



23.0831, 0.5676, 0.4191

Triad

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



23.0831, 0.6072, 0.3299



23.0831, 0.2107, 0.5836



23.0831, 0.1311, 0.1264

Complementary

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



23.0831, 0.6072, 0.3299



79.1797, 0.2272, 0.3287

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.



23.0831, 0.0923, 0.1452



23.0831, 0.6072, 0.3299



23.0831, 0.1213, 0.3744

Square

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



23.0831, 0.6072, 0.3299



23.0831, 0.3336, 0.6278



23.0831, 0.0872, 0.2145



23.0831, 0.2165, 0.1400

Rectangle

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



23.0831, 0.6072, 0.3299



23.0831, 0.5028, 0.4935



23.0831, 0.0872, 0.2145



23.0831, 0.1139, 0.1287

Sweetspot

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



23.0842, 0.6072, 0.3299



62.4139, 0.3658, 0.3292



30.1317, 0.3206, 0.1607



12.4648, 0.3760, 0.3292



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.



23.0842, 0.6072, 0.3299



21.2621, 0.6401, 0.3300



42.7544, 0.5092, 0.4161



17.9882, 0.3295, 0.3291



11.1104, 0.6400, 0.3300



1.0821, 0.6400, 0.3300

Inverse Universe

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



79.1797, 0.2272, 0.3287



78.6786, 0.2246, 0.3286



29.0387, 0.1885, 0.1845



20.4803, 0.2980, 0.3289



41.1118, 0.2246, 0.3286



4.0033, 0.2246, 0.3286

Previews

White Background



This preview shows how the Yxy color 23.0831, 0.6072, 0.3299 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 23.0831, 0.6072, 0.3299 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 23.0831, 0.6072, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 23.0831, 0.6072, 0.3299.



This preview shows how white text looks on a background with the Yxy color 23.0831, 0.6072, 0.3299.

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

23.0831, 0.6072, 0.3299

Protanopia

23.3483, 0.4033, 0.4411

Deuteranopia

23.1717, 0.4665, 0.4603



Tritanopia

23.0691, 0.6087, 0.3308

Trichromacy



Original Color

23.0831, 0.6072, 0.3299

Protanomaly

19.8390, 0.4947, 0.3846

Deuteranomaly

20.3967, 0.5391, 0.3952

Tritanomaly

23.0760, 0.6079, 0.3303

Monochromacy



Original Color

23.0831, 0.6072, 0.3299

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.2846, 0.4416, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0831, 0.6072, 0.3299 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, 42, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 42, 42)  
}
```

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, 42, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 42, 42) }
```

Border

The CSS property to change the border of an element to Yxy 23.0831, 0.6072, 0.3299 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, 42, 42) }
```

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

```
.border{ border-color:rgb(255, 42, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 42, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 42, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 42, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 42,  
42) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.0831, 0.6072, 0.3299$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 42, 42) }
```

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

```
.background{ background-color: rgb(255, 42,  
42) }
```

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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