

Converting Colors

$Yxy(23.3319, 0.6053, 0.3314)$

Have a look what the booklet for
Yxy(23.3319, 0.6053, 0.3314)
contains.

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Color

Yxy(23.3039, 0.6055, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	FF2D2A
RGB	255, 45, 42
RGB Percent	100%, 18%, 16%
CMY	0.0001, 0.8233, 0.8352
CMYK	0.00, 0.82, 0.84, 0.00
HSL	1°, 100%, 58%
HSV	1°, 84%, 100%
XYZ	42.5913, 23.3039, 4.4455
YIQ	107.4480, 126.1230, 43.5870

Conversions

Conversions Part 2

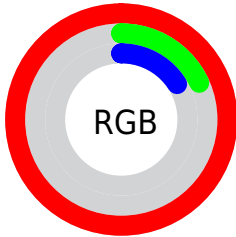
Format	Color
RYB	255, 45, 42
Decimal	16723242
CIELab	55.38, 74.93, 54.21
CIElCh	55, 92.480, 35.885
Yxy	23.3039, 0.6055, 0.3313
Android (android.graphics.Color)	4294913322 (0xFFFF2D2A)
YUV	107.4480, -32.2659, 129.4031
Hunter-Lab	48.2741, 73.0075, 28.3319

Details

The Yxy color **23.3039, 0.6055, 0.3313** 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 **77.2903, 0.2262, 0.3251**, and the grayscale version is **14.9092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8084, 0.5081, 0.3507**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7932, 0.6310, 0.3307**, and if you desaturate by 10%, it is **26.0730, 0.5656, 0.3316**.

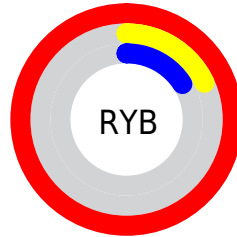
Distribution



Red (100%)

Green (18%)

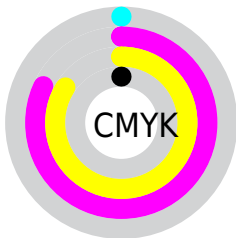
Blue (16%)



Red (100%)

Yellow (18%)

Blue (16%)

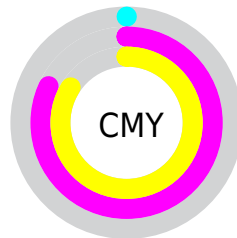


Cyan (0%)

Magenta (82%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3039, 0.6055, 0.3313 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 23.3039, 0.6055, 0.3313 by changing the saturation by 10% instead.


 23.3039, 0.6055,
0.3313


 23.3039, 0.6055,
0.3313


269.2821, 0.4517,
0.3496


 14.8181, 0.6407,
0.3190


 48.8919, 0.5507,
0.3437


 8.6918, 0.6836,
0.3000


 66.7628, 0.5295,
0.3466


 4.5407, 0.7313,
0.2687

 88.5308, 0.5115,
0.3483

 1.9804, 0.7810,
0.2190

 114.5804, 0.4960,
0.3493

 0.5960, 0.8562,
0.1438

 145.2959, 0.4826,
0.3498

 0.0000, 1.0000,
0.0000

 181.0618, 0.4709,

 0.0000, 0.0000,

0.3499

0.0000

222.2624, 0.4607,
0.3498

■ 23.3039, 0.6055,
0.3313

■ 23.3039, 0.6055,
0.3313

■ 21.7932, 0.6310,
0.3307

■ 26.0730, 0.5656,
0.3316


■ 21.3354, 0.6394,
0.3305


■ 30.2913, 0.5182,
0.3317

■ 36.1217, 0.4707,
0.3314

■ 43.7046, 0.4278,
0.3310

■ 53.1648, 0.3914,
0.3305

 64.6159, 0.3616,
0.3300

 78.1626, 0.3376,
0.3296

 93.9021, 0.3185,
0.3291

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



23.3039, 0.5288, 0.2538



23.3039, 0.6055, 0.3313



23.3039, 0.5656, 0.4204

Triad

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



23.3039, 0.6055, 0.3313



23.3039, 0.2105, 0.5795



23.3039, 0.1326, 0.1274

Complementary

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



23.3039, 0.6055, 0.3313



77.2903, 0.2262, 0.3251

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.



23.3039, 0.0935, 0.1458



23.3039, 0.6055, 0.3313



23.3039, 0.1218, 0.3721

Square

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



23.3039, 0.6055, 0.3313



23.3039, 0.3328, 0.6263



23.3039, 0.0882, 0.2143



23.3039, 0.2184, 0.1412

Rectangle

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



23.3039, 0.6055, 0.3313



23.3039, 0.5009, 0.4943



23.3039, 0.0882, 0.2143



23.3039, 0.1153, 0.1295

Sweetspot

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



23.3054, 0.6055, 0.3313



62.8031, 0.3656, 0.3301



30.1322, 0.3206, 0.1607



12.5542, 0.3757, 0.3303



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.



23.3054, 0.6055, 0.3313



21.3392, 0.6394, 0.3305



42.7605, 0.5091, 0.4161



18.0286, 0.3294, 0.3294



11.1682, 0.6391, 0.3308



1.1014, 0.6367, 0.3327

Inverse Universe

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



77.2903, 0.2262, 0.3251



76.4344, 0.2234, 0.3243



29.0483, 0.1886, 0.1846



20.4342, 0.2980, 0.3286



39.9590, 0.2235, 0.3244



3.9044, 0.2236, 0.3249

Previews

White Background



This preview shows how the Yxy color 23.3039, 0.6055, 0.3313 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 23.3039, 0.6055, 0.3313 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 23.3039, 0.6055, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 23.3039, 0.6055, 0.3313.



This preview shows how white text looks on a background with the Yxy color 23.3039, 0.6055, 0.3313.

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

23.3039, 0.6055, 0.3313

Protanopia

23.3483, 0.4033, 0.4411

Deuteranopia

23.2810, 0.4676, 0.4594



Tritanopia

23.3112, 0.6048, 0.3308

Trichromacy



Original Color

23.3039, 0.6055, 0.3313

Protanomaly

20.0320, 0.4935, 0.3859

Deuteranomaly

20.8989, 0.5371, 0.3971

Tritanomaly

23.3112, 0.6048, 0.3308

Monochromacy



Original Color

23.3039, 0.6055, 0.3313

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5422, 0.4422, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3039, 0.6055, 0.3313 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, 45, 42)` looks like.

```
.text, #text, p{  
  color:rgb(255, 45, 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, 45, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 42) }
```

Border

The CSS property to change the border of an element to Yxy 23.3039, 0.6055, 0.3313 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, 45, 42) }
```

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

```
.border{ border-color:rgb(255, 45, 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, 45, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3039, 0.6055, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 42) }
```

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

```
.background{ background-color: rgb(255, 45,  
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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