

Converting Colors

$Y_{xy}(23.1936, 0.6050, 0.3297)$

Have a look what the booklet for
Yxy(23.1936, 0.6050, 0.3297)
contains.

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Color

Yxy(23.1696, 0.6050, 0.3294)

Conversions

Conversions Part 1

Format	Color
Hex	FF2B2C
RGB	255, 43, 44
RGB Percent	100%, 17%, 17%
CMY	0.0001, 0.8312, 0.8274
CMYK	0.00, 0.83, 0.83, 0.00
HSL	360°, 100%, 58%
HSV	360°, 83%, 100%
XYZ	42.5550, 23.1696, 4.6142
YIQ	106.5020, 126.0310, 45.2550

Conversions

Conversions Part 2

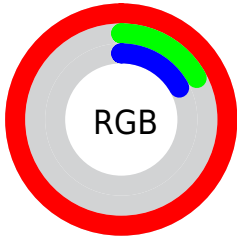
Format	Color
R _Y B	255, 43, 44
Decimal	16722732
CIE Lab	55.25, 75.41, 53.11
CIE LCh	55, 92.236, 35.156
Yxy	23.1696, 0.6050, 0.3294
Android (android.graphics.Color)	4294912812 (0xFFFF2B2C)
YUV	106.5020, -30.8135, 130.2327
Hunter-Lab	48.1348, 73.5722, 28.0108

Details

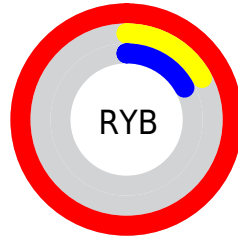
The Yxy color **23.1696, 0.6050, 0.3294** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **79.1823, 0.2277, 0.3299**, and the grayscale version is **14.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6210, 0.5068, 0.3480**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7214, 0.6308, 0.3297**, and if you desaturate by 10%, it is **25.8936, 0.5647, 0.3291**.

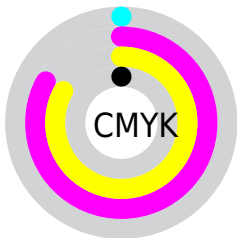
Distribution



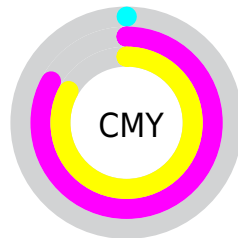
- Red (100%)
- Green (17%)
- Blue (17%)



- Red (100%)
- Yellow (17%)
- Blue (17%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1696, 0.6050, 0.3294 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 23.1696, 0.6050, 0.3294 by changing the saturation by 10% instead.


 23.1696, 0.6050,
0.3294


 23.1696, 0.6050,
0.3294


268.5949, 0.4509,
0.3483


 14.7188, 0.6405,
0.3171


 48.6717, 0.5500,
0.3419


 8.6223, 0.6835,
0.2980


 66.4917, 0.5287,
0.3448


 4.4956, 0.7330,
0.2670

 88.2036, 0.5106,
0.3466

 1.9545, 0.7830,
0.2170

 114.1918, 0.4952,
0.3477

 0.5808, 0.8591,
0.1409

 144.8406, 0.4818,
0.3482

 0.0000, 1.0000,
0.0000

 180.5344, 0.4702,

 0.0000, 0.0000,

0.3485

0.0000

221.6578, 0.4599,
0.3485

■ 23.1696, 0.6050,
0.3294

■ 23.1696, 0.6050,
0.3294

■ 21.7214, 0.6308,
0.3297

■ 25.8936, 0.5647,
0.3291

■ 21.2597, 0.6398,
0.3298


■ 30.0944, 0.5170,
0.3290


■ 35.9428, 0.4693,
0.3289

■ 43.5848, 0.4264,
0.3288

■ 53.1507, 0.3901,
0.3288

 64.7584, 0.3605,
0.3289

 78.5167, 0.3367,
0.3289

 94.5263, 0.3178,
0.3290

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



23.1696, 0.5253, 0.2521



23.1696, 0.6050, 0.3294



23.1696, 0.5674, 0.4180

Triad

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



23.1696, 0.6050, 0.3294



23.1696, 0.2133, 0.5830



23.1696, 0.1313, 0.1275

Complementary

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



23.1696, 0.6050, 0.3294



79.1823, 0.2277, 0.3299

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.



23.1696, 0.0931, 0.1468



23.1696, 0.6050, 0.3294



23.1696, 0.1234, 0.3771

Square

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



23.1696, 0.6050, 0.3294



23.1696, 0.3360, 0.6249



23.1696, 0.0886, 0.2170



23.1696, 0.2157, 0.1406

Rectangle

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



23.1696, 0.6050, 0.3294



23.1696, 0.5036, 0.4915



23.1696, 0.0886, 0.2170



23.1696, 0.1143, 0.1299

Sweetspot

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



23.1710, 0.6050, 0.3294



62.4162, 0.3656, 0.3289



29.5444, 0.3171, 0.1592



12.4654, 0.3757, 0.3288



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.



23.1710, 0.6050, 0.3294



21.2625, 0.6398, 0.3298



41.8325, 0.5119, 0.4128



17.9884, 0.3294, 0.3289



11.1107, 0.6396, 0.3297



1.0823, 0.6385, 0.3291

Inverse Universe

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



23.1710, 0.6050, 0.3294



21.2625, 0.6398, 0.3298



30.3702, 0.1903, 0.1903



17.9884, 0.3294, 0.3289



11.1107, 0.6396, 0.3297



1.0823, 0.6385, 0.3291

Previews

White Background



This preview shows how the Yxy color 23.1696, 0.6050, 0.3294 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 23.1696, 0.6050, 0.3294 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 23.1696, 0.6050, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 23.1696, 0.6050, 0.3294.



This preview shows how white text looks on a background with the Yxy color 23.1696, 0.6050, 0.3294.

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

23.1696, 0.6050, 0.3294

Protanopia

23.3833, 0.4005, 0.4370

Deuteranopia

23.1877, 0.4648, 0.4582



Tritanopia

23.1549, 0.6066, 0.3303

Trichromacy



Original Color

23.1696, 0.6050, 0.3294

Protanomaly

19.8692, 0.4914, 0.3814

Deuteranomaly

20.5966, 0.5354, 0.3944

Tritanomaly

23.1622, 0.6058, 0.3299

Monochromacy



Original Color

23.1696, 0.6050, 0.3294

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5578, 0.4405, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1696, 0.6050, 0.3294 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, 43, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 44)  
}
```

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, 43, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 44) }
```

Border

The CSS property to change the border of an element to Yxy 23.1696, 0.6050, 0.3294 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, 43, 44) }
```

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

```
.border{ border-color:rgb(255, 43, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1696, 0.6050, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 44) }
```

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

```
.background{ background-color: rgb(255, 43,  
44) }
```

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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