

Converting Colors

$Y_{xy}(27.1300, 0.6068, 0.3408)$

Have a look what the booklet for
Yxy(27.1300, 0.6068, 0.3408)
contains.

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Color

Yxy(24.4016, 0.6028, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	FF3A22
RGB	255, 58, 34
RGB Percent	100%, 23%, 13%
CMY	0.0001, 0.7723, 0.8667
CMYK	0.00, 0.77, 0.87, 0.00
HSL	7°, 100%, 57%
HSV	7°, 87%, 100%
XYZ	43.0348, 24.4016, 3.9551
YIQ	114.1670, 125.1160, 34.3000

Conversions

Conversions Part 2

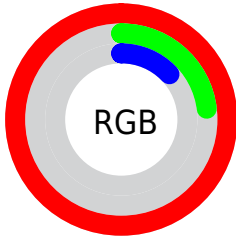
Format	Color
R_YB	255, 61, 34
Decimal	16726562
CIE _{Lab}	56.49, 71.49, 58.74
CIE _{LCh}	56, 92.531, 39.408
Yxy	24.4016, 0.6028, 0.3418
Android (android.graphics.Color)	4294916642 (0xFFFF3A22)
YUV	114.1670, -39.5223, 123.5105
Hunter-Lab	49.3980, 69.0600, 29.8315

Details

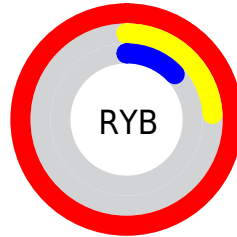
The Yxy color **24.4016, 0.6028, 0.3418** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.6592, 0.2183, 0.2987**, and the grayscale version is **16.9820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5748, 0.5075, 0.3634**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.4960, 0.6274, 0.3370**, and if you desaturate by 10%, it is **27.4289, 0.5654, 0.3449**.

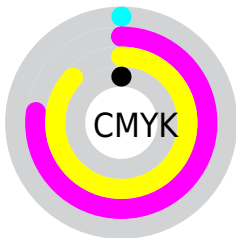
Distribution



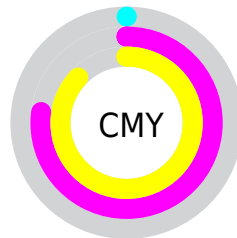
- Red (100%)
- Green (23%)
- Blue (13%)



- Red (100%)
- Yellow (24%)
- Blue (13%)



- Cyan (0%)
- Magenta (77%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (77%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4016, 0.6028, 0.3418 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 24.4016, 0.6028, 0.3418 by changing the saturation by 10% instead.


 24.4016, 0.6028,
0.3418


 24.4016, 0.6028,
0.3418


274.8446, 0.4528,
0.3559


 15.6318, 0.6360,
0.3302


 50.6848, 0.5502,
0.3529

 9.2640, 0.6774,
0.3127


 68.9669, 0.5296,
0.3553


 4.9138, 0.7187,
0.2813

 91.1886, 0.5120,
0.3565

 2.1968, 0.7661,
0.2339

 117.7343, 0.4967,
0.3570

 0.7182, 0.8349,
0.1651

 148.9884, 0.4835,
0.3571


 0.0000, 1.0000,
0.0000


 185.3352, 0.4720,


 0.0000, 0.0000,


0.3569


0.0000

 227.1591, 0.4618,
0.3564


 24.4016, 0.6028,
0.3418


 24.4016, 0.6028,
0.3418


 22.4960, 0.6274,
0.3370


 27.4289, 0.5654,
0.3449

 22.0745, 0.6330,
0.3356

 31.7122, 0.5211,
0.3459

 37.3712, 0.4760,
0.3450

 44.5104, 0.4345,
0.3428

 53.2241, 0.3986,
0.3400

63.5988, 0.3685,
0.3369

75.7147, 0.3439,
0.3338

89.6467, 0.3239,
0.3308

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



24.4016, 0.5411, 0.2638



24.4016, 0.6028, 0.3418



24.4016, 0.5538, 0.4328

Triad

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



24.4016, 0.6028, 0.3418



24.4016, 0.1994, 0.5557



24.4016, 0.1416, 0.1292

Complementary

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



24.4016, 0.6028, 0.3418



64.6592, 0.2183, 0.2987

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.



24.4016, 0.0981, 0.1435



24.4016, 0.6028, 0.3418



24.4016, 0.1174, 0.3483

Square

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



24.4016, 0.6028, 0.3418



24.4016, 0.3192, 0.6273



24.4016, 0.0891, 0.2043



24.4016, 0.2335, 0.1465

Rectangle

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



24.4016, 0.6028, 0.3418



24.4016, 0.4861, 0.5068



24.4016, 0.0891, 0.2043



24.4016, 0.1226, 0.1302

Sweetspot

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



24.4031, 0.6028, 0.3418



64.3650, 0.3667, 0.3367



28.2751, 0.3440, 0.1722



12.9575, 0.3764, 0.3378



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.



24.4031, 0.6028, 0.3418



22.0796, 0.6330, 0.3356



48.8558, 0.4928, 0.4356



18.3053, 0.3292, 0.3317



11.6388, 0.6314, 0.3369



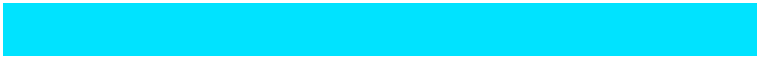
1.2323, 0.6159, 0.3492

Inverse Universe

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



64.6592, 0.2183, 0.2987



62.2840, 0.2149, 0.2937



21.5733, 0.1777, 0.1491



20.1235, 0.2980, 0.3263



32.6807, 0.2151, 0.2943



3.2746, 0.2163, 0.2986

Previews

White Background



This preview shows how the Yxy color 24.4016, 0.6028, 0.3418 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 24.4016, 0.6028, 0.3418 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 24.4016, 0.6028, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 24.4016, 0.6028, 0.3418.



This preview shows how white text looks on a background with the Yxy color 24.4016, 0.6028, 0.3418.

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

24.4016, 0.6028, 0.3418

Protanopia

24.4447, 0.4146, 0.4563

Deuteranopia

24.4712, 0.4714, 0.4639



Tritanopia

24.3838, 0.5859, 0.3292

Trichromacy



Original Color

24.4016, 0.6028, 0.3418

Protanomaly

21.7412, 0.4975, 0.4030

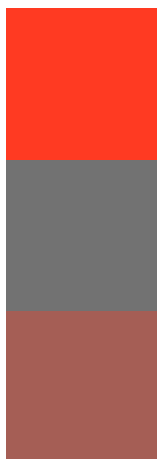
Deuteranomaly

22.2836, 0.5355, 0.4077

Tritanomaly

24.4080, 0.5925, 0.3343

Monochromacy



Original Color

24.4016, 0.6028, 0.3418

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6606, 0.4361, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4016, 0.6028, 0.3418 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, 58, 34)` looks like.

```
.text, #text, p{  
  color:rgb(255, 58, 34)  
}
```

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, 58, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 34) }
```

Border

The CSS property to change the border of an element to Yxy 24.4016, 0.6028, 0.3418 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, 58, 34) }
```

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

```
.border{ border-color:rgb(255, 58, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 58, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4016, 0.6028, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 34) }
```

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

```
.background{ background-color: rgb(255, 58,  
34) }
```

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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