

Converting Colors

$Yxy(23.7601, 0.6047, 0.3359)$

Have a look what the booklet for
Yxy(23.7601, 0.6047, 0.3359)
contains.

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Color

Yxy(23.7676, 0.6049, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	FF3326
RGB	255, 51, 38
RGB Percent	100%, 20%, 15%
CMY	0.0000, 0.8000, 0.8507
CMYK	0.00, 0.80, 0.85, 0.00
HSL	4°, 100%, 57%
HSV	4°, 85%, 100%
XYZ	42.7760, 23.7676, 4.1722
YIQ	110.5140, 125.7570, 39.2050

Conversions

Conversions Part 2

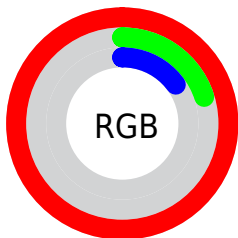
Format	Color
R_{YB}	255, 52, 38
Decimal	16724774
CIE _{Lab}	55.85, 73.45, 56.46
CIE _{LCh}	56, 92.644, 37.548
Yxy	23.7676, 0.6049, 0.3361
Android (android.graphics.Color)	4294914854 (0xFFFF3326)
YUV	110.5140, -35.7494, 126.7142
Hunter-Lab	48.7520, 71.3035, 29.0523

Details

The Yxy color **23.7676, 0.6049, 0.3361** 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 **71.1753, 0.2225, 0.3129**, and the grayscale version is **15.8285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4389, 0.5088, 0.3561**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.0729, 0.6299, 0.3334**, and if you desaturate by 10%, it is **26.6549, 0.5661, 0.3378**.

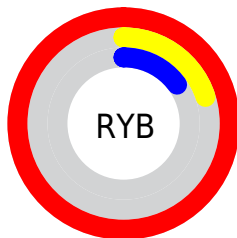
Distribution



Red (100%)

Green (20%)

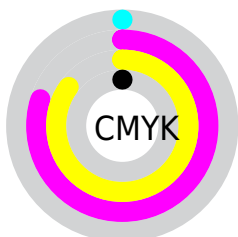
Blue (15%)



Red (100%)

Yellow (20%)

Blue (15%)

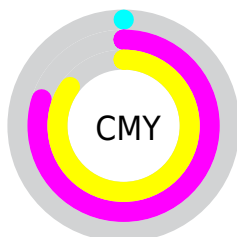


Cyan (0%)

Magenta (80%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7676, 0.6049, 0.3361 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 23.7676, 0.6049, 0.3361 by changing the saturation by 10% instead.


 23.7676, 0.6049,
0.3361


 23.7676, 0.6049,
0.3361


271.6434, 0.4525,
0.3526


 15.1613, 0.6392,
0.3241


 49.6507, 0.5511,
0.3480


 8.9327, 0.6815,
0.3057


 67.6963, 0.5301,
0.3506


 4.6973, 0.7259,
0.2741

 89.6571, 0.5122,
0.3522

 2.0708, 0.7746,
0.2254

 115.9176, 0.4968,
0.3529

 0.6481, 0.8468,
0.1532

 146.8620, 0.4834,
0.3532

 0.0000, 1.0000,
0.0000

 182.8749, 0.4718,

 0.0000, 0.0000,

0.3532

0.0000

224.3406, 0.4616,
0.3530

■ 23.7676, 0.6049,
0.3361

■ 23.7676, 0.6049,
0.3361

■ 22.0729, 0.6299,
0.3334

■ 26.6549, 0.5661,
0.3378

■ 21.6075, 0.6370,
0.3324

■ 30.8986, 0.5201,
0.3383

■ 36.6389, 0.4737,
0.3378

■ 43.9977, 0.4313,
0.3365

■ 53.0848, 0.3951,
0.3349

 64.0001, 0.3651,
0.3331

 76.8358, 0.3407,
0.3314

 91.6782, 0.3211,
0.3298

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.



23.7676, 0.5353, 0.2584



23.7676, 0.6049, 0.3361



23.7676, 0.5604, 0.4262

Triad

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



23.7676, 0.6049, 0.3361



23.7676, 0.2049, 0.5691



23.7676, 0.1365, 0.1279

Complementary

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



23.7676, 0.6049, 0.3361



71.1753, 0.2225, 0.3129

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.



23.7676, 0.0954, 0.1444



23.7676, 0.6049, 0.3361



23.7676, 0.1193, 0.3606

Square

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



23.7676, 0.6049, 0.3361



23.7676, 0.3262, 0.6277



23.7676, 0.0883, 0.2092



23.7676, 0.2253, 0.1434

Rectangle

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



23.7676, 0.6049, 0.3361



23.7676, 0.4941, 0.5004



23.7676, 0.0883, 0.2092



23.7676, 0.1184, 0.1295

Sweetspot

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



23.7682, 0.6049, 0.3361



62.9081, 0.3676, 0.3333



29.1914, 0.3316, 0.1661



12.6231, 0.3775, 0.3339



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.



23.7682, 0.6049, 0.3361



21.6075, 0.6370, 0.3324



45.6429, 0.5012, 0.4259



18.1608, 0.3293, 0.3305



11.3576, 0.6359, 0.3333



1.1642, 0.6264, 0.3408

Inverse Universe

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



71.1753, 0.2225, 0.3129



69.4186, 0.2194, 0.3099



25.1533, 0.1831, 0.1668



20.2849, 0.2980, 0.3275



36.3526, 0.2195, 0.3103



3.5936, 0.2202, 0.3125

Previews

White Background



This preview shows how the Yxy color 23.7676, 0.6049, 0.3361 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 23.7676, 0.6049, 0.3361 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 23.7676, 0.6049, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 23.7676, 0.6049, 0.3361.



This preview shows how white text looks on a background with the Yxy color 23.7676, 0.6049, 0.3361.

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

23.7676, 0.6049, 0.3361

Protanopia

23.7452, 0.4101, 0.4491

Deuteranopia

23.7248, 0.4720, 0.4634



Tritanopia

23.7715, 0.5960, 0.3298

Trichromacy



Original Color

23.7676, 0.6049, 0.3361

Protanomaly

20.8310, 0.4971, 0.3939

Deuteranomaly

21.3729, 0.5398, 0.4030

Tritanomaly

23.7385, 0.5995, 0.3319

Monochromacy



Original Color

23.7676, 0.6049, 0.3361

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.5714, 0.4392, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7676, 0.6049, 0.3361 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, 51, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 38)  
}
```

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, 51, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 38) }
```

Border

The CSS property to change the border of an element to Yxy 23.7676, 0.6049, 0.3361 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, 51, 38) }
```

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

```
.border{ border-color:rgb(255, 51, 38) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7676, 0.6049, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 38) }
```

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

```
.background{ background-color: rgb(255, 51,  
38) }
```

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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