

Converting Colors

$Yxy(23.5026, 0.5653, 0.3345)$

Have a look what the booklet for
Yxy(23.5026, 0.5653, 0.3345)
contains.

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Color

Yxy(23.4813, 0.5651, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F2453E
RGB	242, 69, 62
RGB Percent	95%, 27%, 24%
CMY	0.0511, 0.7292, 0.7569
CMYK	0.00, 0.71, 0.74, 0.05
HSL	2°, 87%, 60%
HSV	2°, 74%, 95%
XYZ	39.6098, 23.4813, 7.0023
YIQ	119.9290, 105.3550, 34.4990

Conversions

Conversions Part 2

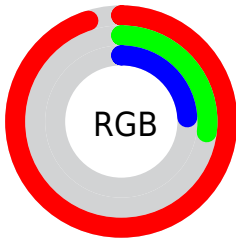
Format	Color
R_{YB}	242, 69, 62
Decimal	15877438
CIE _{Lab}	55.56, 65.00, 43.26
CIE _{LCh}	56, 78.082, 33.643
Yxy	23.4813, 0.5651, 0.3350
Android (android.graphics.Color)	4294067518 (0xFFFF2453E)
YUV	119.9290, -28.5590, 107.0563
Hunter-Lab	48.4575, 61.1076, 25.3526

Details

The Yxy color **23.4813, 0.5651, 0.3350** 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 **66.8123, 0.2284, 0.3199**, and the grayscale version is **18.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8241, 0.4753, 0.3473**, and **9.5054, 0.6288, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **20.9497, 0.6045, 0.3339**, and if you desaturate by 10%, it is **27.2538, 0.5185, 0.3353**.

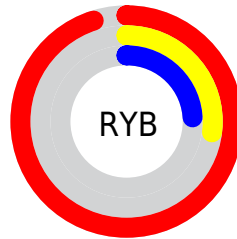
Distribution



Red (95%)

Green (27%)

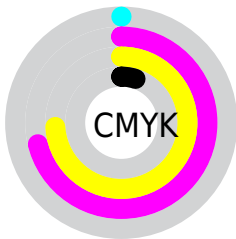
Blue (24%)



Red (95%)

Yellow (27%)

Blue (24%)

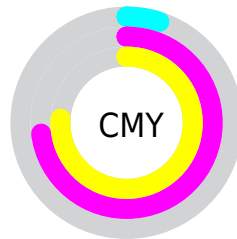


Cyan (0%)

Magenta (71%)

Yellow (74%)

Black (5%)



Cyan (5%)


Magenta (73%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4813, 0.5651, 0.3350 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 23.4813, 0.5651, 0.3350 by changing the saturation by 10% instead.


 23.4813, 0.5651,
0.3350


 23.4813, 0.5651,
0.3350

270.1875, 0.4286,
0.3450


 14.9493, 0.5993,
0.3267


 49.1824, 0.5146,
0.3427


 8.7838, 0.6414,
0.3126


 67.1203, 0.4957,
0.3443


 4.6004, 0.7038,
0.2925

 88.9623, 0.4799,
0.3451

 2.0148, 0.7541,
0.2459

 115.0928, 0.4664,
0.3455

 0.6160, 0.8295,
0.1705

 145.8962, 0.4549,
0.3456

 0.0000, 1.0000,
0.0000

 181.7568, 0.4449,

 0.0000, 0.0000,


0.3455

0.0000


223.0591, 0.4362,
0.3453


 23.4813, 0.5651,
0.3350


 23.4813, 0.5651,
0.3350


 20.9497, 0.6045,
0.3339

 27.2538, 0.5185,
0.3353


 19.4985, 0.6301,
0.3322


 32.3940, 0.4717,
0.3348

 19.0786, 0.6380,
0.3316


 39.0176, 0.4293,
0.3340

 47.2267, 0.3931,
0.3328

 57.1147, 0.3633,
0.3317

 68.7675, 0.3393,
0.3305

 82.2653, 0.3199,
0.3294

 97.6131, 0.3047,
0.3290

Harmonies

Analogous

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



23.4813, 0.4876, 0.2610



23.4813, 0.5651, 0.3350



23.4813, 0.5459, 0.4172

Triad

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



23.4813, 0.5651, 0.3350



23.4813, 0.2382, 0.5423



23.4813, 0.1482, 0.1487

Complementary

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



23.4813, 0.5651, 0.3350



66.8123, 0.2284, 0.3199

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.



23.4813, 0.1135, 0.1708



23.4813, 0.5651, 0.3350



23.4813, 0.1513, 0.3813

Square

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



23.4813, 0.5651, 0.3350



23.4813, 0.3513, 0.5816



23.4813, 0.1126, 0.2410



23.4813, 0.2242, 0.1591

Rectangle

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



23.4813, 0.5651, 0.3350



23.4813, 0.4945, 0.4789



23.4813, 0.1126, 0.2410



23.4813, 0.1327, 0.1520

Sweetspot

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



23.4827, 0.5651, 0.3350



67.1966, 0.3573, 0.3314



28.3734, 0.3264, 0.1732



13.6665, 0.3644, 0.3317



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.



23.4827, 0.5651, 0.3350



22.6629, 0.6190, 0.3331



43.6707, 0.4791, 0.4210



15.8579, 0.3292, 0.3300



10.2970, 0.6372, 0.3322



0.8913, 0.6298, 0.3381

Inverse Universe

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



66.8123, 0.2284, 0.3199



73.4516, 0.2230, 0.3179



27.9884, 0.1962, 0.1941



17.8166, 0.2981, 0.3280



34.6578, 0.2213, 0.3168



2.9160, 0.2218, 0.3184

Previews

White Background



This preview shows how the Yxy color 23.4813, 0.5651, 0.3350 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 23.4813, 0.5651, 0.3350 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 23.4813, 0.5651, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 23.4813, 0.5651, 0.3350.



This preview shows how white text looks on a background with the Yxy color 23.4813, 0.5651, 0.3350.

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

23.4813, 0.5651, 0.3350

Protanopia

23.5106, 0.3833, 0.4133

Deuteranopia

23.5248, 0.4441, 0.4369



Tritanopia

23.4664, 0.5556, 0.3274

Trichromacy



Original Color

23.4813, 0.5651, 0.3350

Protanomaly

21.4836, 0.4558, 0.3781

Deuteranomaly

22.0532, 0.4969, 0.3901

Tritanomaly

23.4288, 0.5591, 0.3297

Monochromacy



Original Color

23.4813, 0.5651, 0.3350

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1007, 0.4080, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4813, 0.5651, 0.3350 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(242, 69, 62)` looks like.

```
.text, #text, p{  
  color:rgb(242, 69, 62)  
}
```

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(242, 69, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 69, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.4813, 0.5651, 0.3350 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(242, 69, 62) }
```

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

```
.border{ border-color:rgb(242, 69, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 69, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 69, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 69, 62);  
box-shadow:4px 4px 4px 4px rgb(242, 69,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4813, 0.5651, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 69, 62) }
```

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

```
.background{ background-color: rgb(242, 69,  
62) }
```

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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