

Converting Colors

$Y_{xy}(23.2478, 0.5945, 0.3372)$

Have a look what the booklet for
Yxy(23.2478, 0.5945, 0.3372)
contains.

Yxy(23.2478, 0.5945, 0.3372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2478, 0.5945, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	F9392C
RGB	249, 57, 44
RGB Percent	98%, 22%, 17%
CMY	0.0235, 0.7765, 0.8275
CMYK	0.00, 0.77, 0.82, 0.02
HSL	4°, 94%, 57%
HSV	4°, 82%, 98%
XYZ	40.9870, 23.2478, 4.7089
YIQ	112.9260, 118.6050, 36.6610

Conversions

Conversions Part 2

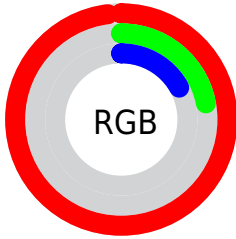
Format	Color
RYB	249, 58, 44
Decimal	16333100
CIELab	55.33, 70.31, 52.78
CIElCh	55, 87.912, 36.893
Yxy	23.2478, 0.5945, 0.3372
Android (android.graphics.Color)	4294523180 (0xFFFF9392C)
YUV	112.9260, -33.9805, 119.3369
Hunter-Lab	48.2160, 67.3597, 27.9608

Details

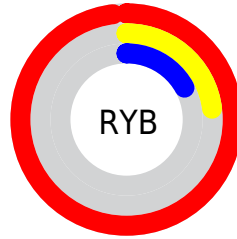
The Yxy color **23.2478, 0.5945, 0.3372** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.3665, 0.2233, 0.3125**, and the grayscale version is **16.5665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2264, 0.5012, 0.3548**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3144, 0.6240, 0.3346**, and if you desaturate by 10%, it is **26.3539, 0.5530, 0.3387**.

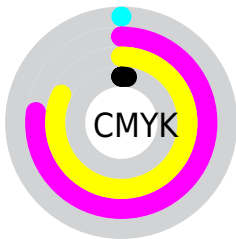
Distribution



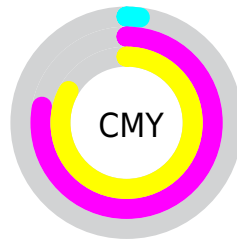
- Red (98%)
- Green (22%)
- Blue (17%)



- Red (98%)
- Yellow (23%)
- Blue (17%)



- Cyan (0%)
- Magenta (77%)
- Yellow (82%)
- Black (2%)





- Cyan (2%)
- Magenta (78%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2478, 0.5945, 0.3372 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 23.2478, 0.5945, 0.3372 by changing the saturation by 10% instead.


 23.2478, 0.5945,
0.3372


 23.2478, 0.5945,
0.3372


268.9952, 0.4455,
0.3511

 14.7766, 0.6291,
0.3262


 48.7999, 0.5411,
0.3477


 8.6627, 0.6712,
0.3086


 66.6496, 0.5205,
0.3500


 4.5219, 0.7206,
0.2794

 88.3942, 0.5031,
0.3512

 1.9696, 0.7697,
0.2303

 114.4181, 0.4881,
0.3518

 0.5897, 0.8463,
0.1537

 145.1058, 0.4752,
0.3519

 0.0000, 1.0000,
0.0000

 180.8416, 0.4640,

 0.0000, 0.0000,

0.3518

0.0000

222.0100, 0.4542,
0.3515

■ 23.2478, 0.5945,
0.3372

■ 23.2478, 0.5945,
0.3372

■ 21.3144, 0.6240,
0.3346

■ 26.3539, 0.5530,
0.3387


■ 20.5060, 0.6367,
0.3326

■ 30.7742, 0.5064,
0.3388


■ 36.6346, 0.4610,
0.3380


■ 44.0455, 0.4204,
0.3365

■ 53.1060, 0.3860,
0.3347

 63.9073, 0.3578,
0.3329

 76.5340, 0.3349,
0.3311

 91.0648, 0.3165,
0.3294

 98.8813, 0.3090,
0.3290

Harmonies

Analogous

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



23.2478, 0.5234, 0.2602



23.2478, 0.5945, 0.3372



23.2478, 0.5561, 0.4253

Triad

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



23.2478, 0.5945, 0.3372



23.2478, 0.2130, 0.5599



23.2478, 0.1404, 0.1335

Complementary

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



23.2478, 0.5945, 0.3372



67.3665, 0.2233, 0.3125

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.



23.2478, 0.1004, 0.1510



23.2478, 0.5945, 0.3372



23.2478, 0.1273, 0.3646

Square

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



23.2478, 0.5945, 0.3372



23.2478, 0.3323, 0.6151



23.2478, 0.0945, 0.2167



23.2478, 0.2263, 0.1480

Rectangle

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



23.2478, 0.5945, 0.3372



23.2478, 0.4932, 0.4955



23.2478, 0.0945, 0.2167



23.2478, 0.1228, 0.1354

Sweetspot

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



23.2492, 0.5945, 0.3372



64.1951, 0.3648, 0.3334



28.1597, 0.3311, 0.1680



12.8744, 0.3746, 0.3340



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.



23.2492, 0.5945, 0.3372



21.7168, 0.6355, 0.3327



44.3527, 0.4950, 0.4260



17.4019, 0.3293, 0.3306



11.0428, 0.6356, 0.3335



1.0828, 0.6250, 0.3420

Inverse Universe

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



67.3665, 0.2233, 0.3125



68.9590, 0.2192, 0.3089



25.0538, 0.1860, 0.1727



19.4088, 0.2980, 0.3274



34.9977, 0.2192, 0.3091



3.2968, 0.2199, 0.3116

Previews

White Background



This preview shows how the Yxy color 23.2478, 0.5945, 0.3372 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 23.2478, 0.5945, 0.3372 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 23.2478, 0.5945, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 23.2478, 0.5945, 0.3372.



This preview shows how white text looks on a background with the Yxy color 23.2478, 0.5945, 0.3372.

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

23.2478, 0.5945, 0.3372

Protanopia

23.3483, 0.4033, 0.4411

Deuteranopia

23.3084, 0.4648, 0.4559



Tritanopia

23.1576, 0.5849, 0.3292

Trichromacy



Original Color

23.2478, 0.5945, 0.3372

Protanomaly

20.5889, 0.4855, 0.3911

Deuteranomaly

21.2766, 0.5256, 0.4004

Tritanomaly

23.2160, 0.5882, 0.3322

Monochromacy



Original Color

23.2478, 0.5945, 0.3372

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2147, 0.4281, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2478, 0.5945, 0.3372 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(249, 57, 44)` looks like.

```
.text, #text, p{  
  color:rgb(249, 57, 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(249, 57, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 57, 44) }
```

Border

The CSS property to change the border of an element to Yxy 23.2478, 0.5945, 0.3372 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(249, 57, 44) }
```

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

```
.border{ border-color:rgb(249, 57, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 57, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 57, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 57, 44);  
box-shadow:4px 4px 4px 4px rgb(249, 57,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2478, 0.5945, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 57, 44) }
```

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

```
.background{ background-color: rgb(249, 57,  
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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