

Converting Colors

$Y_{xy}(23.5583, 0.5602, 0.3587)$

Have a look what the booklet for
Yxy(23.5583, 0.5602, 0.3587)
contains.

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Color

Yxy(23.7017, 0.5602, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	E8542F
RGB	232, 84, 47
RGB Percent	91%, 33%, 18%
CMY	0.0902, 0.6706, 0.8156
CMYK	0.00, 0.64, 0.80, 0.09
HSL	12°, 80%, 55%
HSV	12°, 80%, 91%
XYZ	36.9646, 23.7017, 5.3184
YIQ	124.0340, 100.0850, 19.8690

Conversions

Conversions Part 2

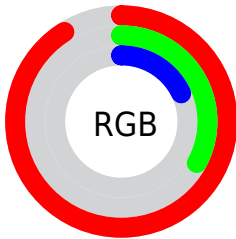
Format	Color
R_{YB}	232, 93, 47
Decimal	15225903
CIE _{Lab}	55.79, 55.54, 50.66
CIE _{LCh}	56, 75.173, 42.373
Yxy	23.7017, 0.5602, 0.3592
Android (android.graphics.Color)	4293415983 (0xFFE8542F)
YUV	124.0340, -37.9778, 94.6862
Hunter-Lab	48.6844, 50.3321, 27.6021

Details

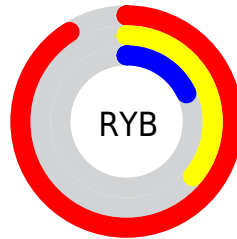
The Yxy color **23.7017, 0.5602, 0.3592** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.4766, 0.2150, 0.2773**, and the grayscale version is **20.2730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5698, 0.4812, 0.3712**, and **8.8612, 0.6284, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **21.0532, 0.5946, 0.3540**, and if you desaturate by 10%, it is **27.2159, 0.5197, 0.3608**.

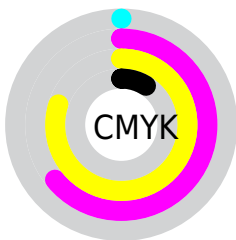
Distribution



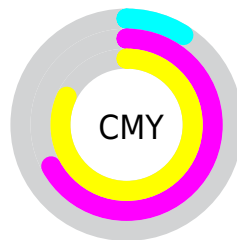
- Red (91%)
- Green (33%)
- Blue (18%)



- Red (91%)
- Yellow (36%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (9%)





- Cyan (9%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7017, 0.5602, 0.3592 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 23.7017, 0.5602, 0.3592 by changing the saturation by 10% instead.


 23.7017, 0.5602,
0.3592


 23.7017, 0.5602,
0.3592


271.3089, 0.4283,
0.3581


 15.1125, 0.5918,
0.3528


 49.5430, 0.5122,
0.3634


 8.8984, 0.6301,
0.3404


 67.5638, 0.4940,
0.3635

 4.6750, 0.6804,
0.3196

 89.4974, 0.4786,
0.3630

 2.0578, 0.7251,
0.2749

 115.7280, 0.4655,
0.3622

 0.6408, 0.7984,
0.2016

 146.6400, 0.4542,
0.3612

 0.0000, 1.0000,
0.0000

 182.6179, 0.4444,

 0.0000, 0.0000,

0.3602

0.0000

224.0461, 0.4358,
0.3591

■ 23.7017, 0.5602,
0.3592

■ 23.7017, 0.5602,
0.3592

■ 21.0532, 0.5946,
0.3540

■ 27.2159, 0.5197,
0.3608

■ 19.1813, 0.6192,
0.3463


■ 31.6604, 0.4780,
0.3592

■ 19.1405, 0.6197,
0.3461


■ 37.0982, 0.4389,
0.3555

■ 43.5855, 0.4042,
0.3505

■ 51.1741, 0.3746,
0.3449

 59.9125, 0.3498,
0.3393

 69.8461, 0.3293,
0.3339

 81.0178, 0.3123,
0.3289

 93.4149, 0.2987,
0.3251

Harmonies

Analogous

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



23.7017, 0.5119, 0.2843



23.7017, 0.5602, 0.3592



23.7017, 0.5210, 0.4430

Triad

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



23.7017, 0.5602, 0.3592



23.7017, 0.2132, 0.4943



23.7017, 0.1700, 0.1536

Complementary

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



23.7017, 0.5602, 0.3592



45.4766, 0.2150, 0.2773

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.



23.7017, 0.1251, 0.1655



23.7017, 0.5602, 0.3592



23.7017, 0.1409, 0.3341

Square

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



23.7017, 0.5602, 0.3592



23.7017, 0.3198, 0.5753



23.7017, 0.1148, 0.2187



23.7017, 0.2579, 0.1722

Rectangle

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



23.7017, 0.5602, 0.3592



23.7017, 0.4638, 0.5030



23.7017, 0.1148, 0.2187



23.7017, 0.1508, 0.1539

Sweetspot

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



23.7031, 0.5602, 0.3592



69.3045, 0.3602, 0.3418



23.2737, 0.3606, 0.1886



14.0173, 0.3692, 0.3438



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.



23.7031, 0.5602, 0.3592



24.4238, 0.6120, 0.3487



47.4148, 0.4627, 0.4494



14.8321, 0.3287, 0.3338



10.7666, 0.6173, 0.3480



0.9251, 0.5899, 0.3698

Inverse Universe

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



45.4766, 0.2150, 0.2773



51.4616, 0.2074, 0.2651



16.6579, 0.1798, 0.1436



15.8212, 0.2981, 0.3242



22.8257, 0.2066, 0.2637



1.8115, 0.2095, 0.2743

Previews

White Background



This preview shows how the Yxy color 23.7017, 0.5602, 0.3592 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 23.7017, 0.5602, 0.3592 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 23.7017, 0.5602, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 23.7017, 0.5602, 0.3592.



This preview shows how white text looks on a background with the Yxy color 23.7017, 0.5602, 0.3592.

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

23.7017, 0.5602, 0.3592

Protanopia

23.7767, 0.4076, 0.4453

Deuteranopia

23.7293, 0.4592, 0.4495



Tritanopia

23.7011, 0.5235, 0.3259

Trichromacy



Original Color

23.7017, 0.5602, 0.3592

Protanomaly

22.3600, 0.4678, 0.4094

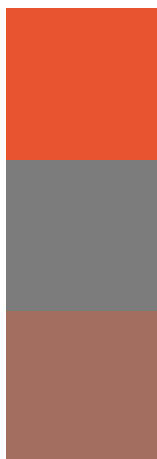
Deuteranomaly

22.7218, 0.5020, 0.4105

Tritanomaly

23.6634, 0.5392, 0.3386

Monochromacy



Original Color

23.7017, 0.5602, 0.3592

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.5683, 0.4058, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7017, 0.5602, 0.3592 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(232, 84, 47)` looks like.

```
.text, #text, p{  
    color:rgb(232, 84, 47)  
}
```

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(232, 84, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 84, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.7017, 0.5602, 0.3592 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(232, 84, 47) }
```

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

```
.border{ border-color:rgb(232, 84, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 84, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 84, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 84, 47);  
box-shadow:4px 4px 4px 4px rgb(232, 84,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7017, 0.5602, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 84, 47) }
```

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

```
.background{ background-color: rgb(232, 84,  
47) }
```

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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