

Converting Colors

$Y_{xy}(25.7610, 0.5643, 0.3720)$

Have a look what the booklet for
Yxy(25.7610, 0.5643, 0.3720)
contains.

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Color

Yxy(25.7743, 0.5638, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	ED5C22
RGB	237, 92, 34
RGB Percent	93%, 36%, 13%
CMY	0.0706, 0.6392, 0.8666
CMYK	0.00, 0.61, 0.86, 0.07
HSL	17°, 85%, 53%
HSV	17°, 86%, 93%
XYZ	39.0423, 25.7743, 4.4319
YIQ	128.7430, 105.0380, 12.7020

Conversions

Conversions Part 2

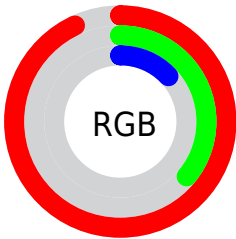
Format	Color
R _Y B	237, 115, 34
Decimal	15555618
CIE Lab	57.82, 53.48, 58.48
CIE LCh	58, 79.249, 47.558
Yxy	25.7743, 0.5638, 0.3722
Android (android.graphics.Color)	4293745698 (0xFFED5C22)
YUV	128.7430, -46.7083, 94.9414
Hunter-Lab	50.7684, 48.4268, 30.3621

Details

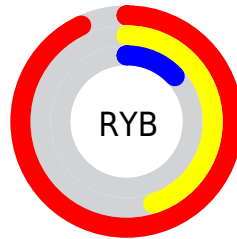
The Yxy color **25.7743, 0.5638, 0.3722** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **38.7033, 0.2047, 0.2470**, and the grayscale version is **21.9989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7833, 0.4841, 0.3884**, and **10.0283, 0.6176, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **23.0700, 0.5920, 0.3642**, and if you desaturate by 10%, it is **29.2311, 0.5287, 0.3756**.

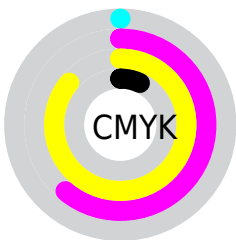
Distribution



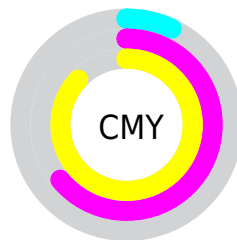
- Red (93%)
- Green (36%)
- Blue (13%)



- Red (93%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (86%)
- Black (7%)



- Cyan (7%)
- Magenta (64%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7743, 0.5638, 0.3722 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 25.7743, 0.5638, 0.3722 by changing the saturation by 10% instead.


 25.7743, 0.5638,
0.3722

 25.7743, 0.5638,
0.3722


281.6724, 0.4340,
0.3668


 16.6549, 0.5929,
0.3661

 52.9106, 0.5181,
0.3755


 9.9887, 0.6284,
0.3549


 71.6963, 0.5002,
0.3751


 5.3915, 0.6675,
0.3325

 94.4728, 0.4850,
0.3741

 2.4787, 0.7082,
0.2918

 121.6246, 0.4719,
0.3728

 0.8660, 0.7698,
0.2302

 153.5361, 0.4605,
0.3713

 0.0000, 1.0000,
0.0000

 190.5916, 0.4505,

 0.0000, 0.0000,

0.3698

0.0000

233.1756, 0.4418,
0.3683

25.7743, 0.5638,
0.3722

25.7743, 0.5638,
0.3722

23.0700, 0.5920,
0.3642

29.2311, 0.5287,
0.3756

22.1035, 0.6022,
0.3600


33.4926, 0.4908,
0.3747


38.6109, 0.4535,
0.3704


44.6317, 0.4191,
0.3639

51.5975, 0.3887,
0.3563

 59.5477, 0.3626,
0.3483

 68.5198, 0.3405,
0.3405

 78.5488, 0.3219,
0.3330

 89.6683, 0.3063,
0.3260

Harmonies

Analogous

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



25.7743, 0.5322, 0.2955



25.7743, 0.5638, 0.3722



25.7743, 0.5106, 0.4593

Triad

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



25.7743, 0.5638, 0.3722



25.7743, 0.1944, 0.4720



25.7743, 0.1793, 0.1518

Complementary

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



25.7743, 0.5638, 0.3722



38.7033, 0.2047, 0.2470

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.



25.7743, 0.1272, 0.1579



25.7743, 0.5638, 0.3722



25.7743, 0.1298, 0.3080

Square

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



25.7743, 0.5638, 0.3722



25.7743, 0.2989, 0.5783



25.7743, 0.1110, 0.2027



25.7743, 0.2768, 0.1756

Rectangle

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



25.7743, 0.5638, 0.3722



25.7743, 0.4477, 0.5205



25.7743, 0.1110, 0.2027



25.7743, 0.1574, 0.1503

Sweetspot

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



25.7758, 0.5638, 0.3722



69.8571, 0.3637, 0.3487



22.4250, 0.3934, 0.2019



14.2288, 0.3724, 0.3515



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.



25.7758, 0.5638, 0.3722



26.0044, 0.6029, 0.3595



56.2714, 0.4521, 0.4686



15.7548, 0.3286, 0.3358



12.2607, 0.5994, 0.3623



1.1220, 0.5722, 0.3839

Inverse Universe

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



38.7033, 0.2047, 0.2470



40.7404, 0.1976, 0.2312



11.9038, 0.1667, 0.1063



16.3525, 0.2981, 0.3221



19.1263, 0.1982, 0.2334



1.6646, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 25.7743, 0.5638, 0.3722 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 25.7743, 0.5638, 0.3722 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 25.7743, 0.5638, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 25.7743, 0.5638, 0.3722.



This preview shows how white text looks on a background with the Yxy color 25.7743, 0.5638, 0.3722.

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

25.7743, 0.5638, 0.3722

Protanopia

26.0213, 0.4213, 0.4649

Deuteranopia

25.7502, 0.4698, 0.4617



Tritanopia

25.7616, 0.5147, 0.3249

Trichromacy



Original Color

25.7743, 0.5638, 0.3722

Protanomaly

24.6474, 0.4771, 0.4275

Deuteranomaly

24.7688, 0.5106, 0.4251

Tritanomaly

25.5988, 0.5379, 0.3455

Monochromacy



Original Color

25.7743, 0.5638, 0.3722

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6238, 0.4102, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7743, 0.5638, 0.3722 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(237, 92, 34)` looks like.

```
.text, #text, p{  
  color:rgb(237, 92, 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(237, 92, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 92, 34) }
```

Border

The CSS property to change the border of an element to Yxy 25.7743, 0.5638, 0.3722 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(237, 92, 34) }
```

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

```
.border{ border-color:rgb(237, 92, 34) }
```

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

Here you see how a box with a 4 pixel rgb(237, 92, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 92, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 92, 34);  
box-shadow:4px 4px 4px 4px rgb(237, 92,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7743, 0.5638, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 92, 34) }
```

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

```
.background{ background-color: rgb(237, 92,  
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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