

Converting Colors

$Y_{xy}(24.7024, 0.5760, 0.3678)$

Have a look what the booklet for
Yxy(24.7024, 0.5760, 0.3678)
contains.

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Color

Yxy(24.7533, 0.5757, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	EE551B
RGB	238, 85, 27
RGB Percent	93%, 33%, 11%
CMY	0.0667, 0.6666, 0.8943
CMYK	0.00, 0.64, 0.89, 0.07
HSL	17°, 86%, 52%
HSV	17°, 89%, 93%
XYZ	38.7031, 24.7533, 3.7715
YIQ	124.1350, 109.8060, 14.3980

Conversions

Conversions Part 2

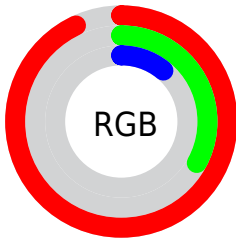
Format	Color
R_{YB}	238, 107, 27
Decimal	15619355
CIE Lab	56.83, 56.66, 60.38
CIE LCh	57, 82.802, 46.821
Yxy	24.7533, 0.5757, 0.3682
Android (android.graphics.Color)	4293809435 (0xFFEE551B)
YUV	124.1350, -47.8876, 99.8596
Hunter-Lab	49.7527, 51.7896, 30.3324

Details

The Yxy color **24.7533, 0.5757, 0.3682** 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 **39.0113, 0.2038, 0.2470**, and the grayscale version is **20.3399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8743, 0.4942, 0.3871**, and **9.4581, 0.6284, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **22.2890, 0.6016, 0.3593**, and if you desaturate by 10%, it is **27.9684, 0.5420, 0.3731**.

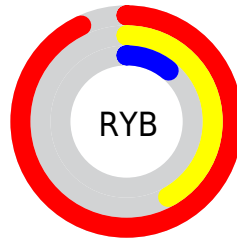
Distribution



Red (93%)

Green (33%)

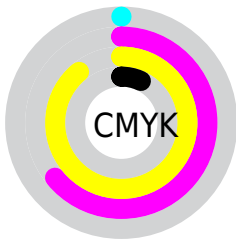
Blue (11%)



Red (93%)

Yellow (42%)

Blue (11%)

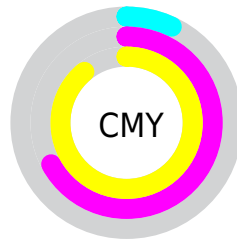


Cyan (0%)

Magenta (64%)

Yellow (89%)

Black (7%)



Cyan (7%)


Magenta (67%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7533, 0.5757, 0.3682 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 24.7533, 0.5757, 0.3682 by changing the saturation by 10% instead.


 24.7533, 0.5757,
0.3682


 24.7533, 0.5757,
0.3682


276.6071, 0.4401,
0.3668


 15.8934, 0.6056,
0.3604


 51.2567, 0.5282,
0.3735

 9.4487, 0.6440,
0.3479


 69.6690, 0.5096,
0.3737


 5.0350, 0.6796,
0.3204

 92.0341, 0.4936,
0.3731

 2.2678, 0.7230,
0.2770

 118.7366, 0.4798,
0.3721

 0.7566, 0.7894,
0.2106

 150.1607, 0.4679,
0.3709


 0.0000, 1.0000,
0.0000


 186.6909, 0.4574,


 0.0000, 0.0000,


0.3695


0.0000


 228.7116, 0.4482,
0.3682


 24.7533, 0.5757,
0.3682


 24.7533, 0.5757,
0.3682


 22.2890, 0.6016,
0.3593

 27.9684, 0.5420,
0.3731

 22.0126, 0.6047,
0.3581

 31.9953, 0.5041,
0.3736

 36.8901, 0.4658,
0.3704

 42.7022, 0.4299,
0.3647

 49.4771, 0.3979,
0.3576

■ 57.2570, 0.3703,
0.3500

■ 66.0817, 0.3469,
0.3423

■ 75.9885, 0.3272,
0.3350

■ 87.0132, 0.3107,
0.3281

Harmonies

Analogous

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



24.7533, 0.5422, 0.2903



24.7533, 0.5757, 0.3682



24.7533, 0.5189, 0.4582

Triad

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



24.7533, 0.5757, 0.3682



24.7533, 0.1896, 0.4859



24.7533, 0.1715, 0.1447

Complementary

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



24.7533, 0.5757, 0.3682



39.0113, 0.2038, 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.



24.7533, 0.1194, 0.1513



24.7533, 0.5757, 0.3682



24.7533, 0.1227, 0.3091

Square

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



24.7533, 0.5757, 0.3682



24.7533, 0.2979, 0.5950



24.7533, 0.1034, 0.1977



24.7533, 0.2713, 0.1684

Rectangle

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



24.7533, 0.5757, 0.3682



24.7533, 0.4526, 0.5239



24.7533, 0.1034, 0.1977



24.7533, 0.1495, 0.1434

Sweetspot

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



24.7547, 0.5757, 0.3682



68.5207, 0.3663, 0.3488



22.3220, 0.3918, 0.1985



13.9556, 0.3751, 0.3514



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.



24.7547, 0.5757, 0.3682



25.6622, 0.6053, 0.3576



54.5398, 0.4586, 0.4667



16.4667, 0.3286, 0.3356



12.4674, 0.6020, 0.3602



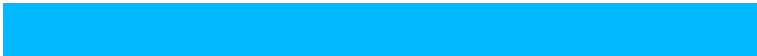
1.1978, 0.5763, 0.3806

Inverse Universe

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



39.0113, 0.2038, 0.2470



41.8450, 0.1986, 0.2350



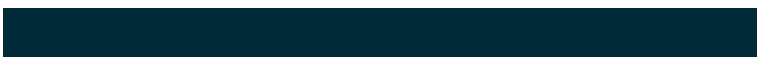
11.5996, 0.1647, 0.1034



17.1505, 0.2981, 0.3223



20.2394, 0.1992, 0.2370



1.8491, 0.2030, 0.2506

Previews

White Background



This preview shows how the Yxy color 24.7533, 0.5757, 0.3682 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 24.7533, 0.5757, 0.3682 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 24.7533, 0.5757, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 24.7533, 0.5757, 0.3682.



This preview shows how white text looks on a background with the Yxy color 24.7533, 0.5757, 0.3682.

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

24.7533, 0.5757, 0.3682

Protanopia

24.8168, 0.4247, 0.4692

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.9027, 0.5290, 0.3261

Trichromacy



Original Color

24.7533, 0.5757, 0.3682

Protanomaly

23.2686, 0.4871, 0.4269

Deuteranomaly

23.9269, 0.5160, 0.4243

Tritanomaly

24.7442, 0.5514, 0.3453

Monochromacy



Original Color

24.7533, 0.5757, 0.3682

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8725, 0.4174, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7533, 0.5757, 0.3682 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(238, 85, 27)` looks like.

```
.text, #text, p{  
    color:rgb(238, 85, 27)  
}
```

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(238, 85, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 85, 27) }
```

Border

The CSS property to change the border of an element to Yxy 24.7533, 0.5757, 0.3682 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(238, 85, 27) }
```

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

```
.border{ border-color:rgb(238, 85, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 85, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 85, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 85, 27);  
box-shadow:4px 4px 4px 4px rgb(238, 85,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7533, 0.5757, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 85, 27) }
```

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

```
.background{ background-color: rgb(238, 85,  
27) }
```

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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