

Converting Colors

$Y_{xy}(28.8543, 0.5660, 0.3742)$

Have a look what the booklet for
Yxy(28.8543, 0.5660, 0.3742)
contains.

Yxy(28.7934, 0.5661, 0.3738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7934, 0.5661, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	F96120
RGB	249, 97, 32
RGB Percent	98%, 38%, 13%
CMY	0.0235, 0.6196, 0.8743
CMYK	0.00, 0.61, 0.87, 0.02
HSL	18°, 95%, 55%
HSV	18°, 87%, 98%
XYZ	43.6061, 28.7934, 4.6294
YIQ	135.0380, 111.4570, 12.0090

Conversions

Conversions Part 2

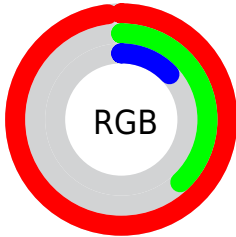
Format	Color
R_{YB}	249, 125, 32
Decimal	16343328
CIE _{Lab}	60.60, 55.46, 62.26
CIE _{LCh}	61, 83.384, 48.305
Yxy	28.7934, 0.5661, 0.3738
Android (android.graphics.Color)	4294533408 (0xFFFF96120)
YUV	135.0380, -50.7977, 99.9447
Hunter-Lab	53.6595, 51.1529, 32.4464

Details

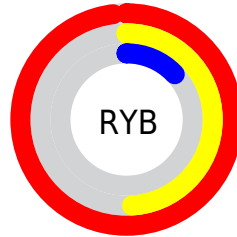
The Yxy color **28.7934, 0.5661, 0.3738** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **41.4570, 0.2025, 0.2409**, and the grayscale version is **24.4068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3723, 0.4797, 0.3934**, and **11.6414, 0.6154, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **25.8290, 0.5928, 0.3650**, and if you desaturate by 10%, it is **32.5717, 0.5323, 0.3779**.

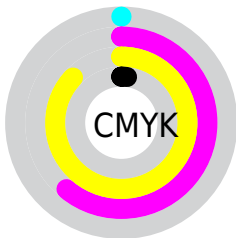
Distribution



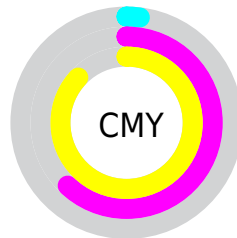
- Red (98%)
- Green (38%)
- Blue (13%)



- Red (98%)
- Yellow (49%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (87%)
- Black (2%)




- Cyan (2%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7934, 0.5661, 0.3738 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 28.7934, 0.5661, 0.3738 by changing the saturation by 10% instead.


 28.7934, 0.5661,
0.3738


 28.7934, 0.5661,
0.3738


296.2389, 0.4382,
0.3688

 18.9246, 0.5938,
0.3678


 57.7487, 0.5219,
0.3773


 11.6158, 0.6267,
0.3567


 77.6039, 0.5044,
0.3770


 6.4826, 0.6639,
0.3361


 101.5568, 0.4893,
0.3760

 3.1407, 0.7012,
0.2988

 129.9916, 0.4762,
0.3748

 1.2056, 0.7564,
0.2436

 163.2929, 0.4649,
0.3733

 0.0663, 0.9592,
0.0408

 201.8449, 0.4549,

 0.0000, 1.0000,

0.3718

0.0000

246.0321, 0.4461,
0.3703

0.0000, 0.0000,
0.0000

28.7934, 0.5661,
0.3738

28.7934, 0.5661,
0.3738

25.8290, 0.5928,
0.3650

32.5717, 0.5323,
0.3779


25.1116, 0.5994,
0.3622

37.2217, 0.4951,
0.3775

42.8002, 0.4580,
0.3733

49.3572, 0.4235,
0.3668

56.9387, 0.3927,
0.3589

 65.5878, 0.3661,
0.3505

 75.3449, 0.3435,
0.3423

 86.2483, 0.3244,
0.3343

 98.2592, 0.3091,
0.3281

Harmonies

Analogous

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



28.7934, 0.5371, 0.2965



28.7934, 0.5661, 0.3738



28.7934, 0.5100, 0.4620

Triad

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



28.7934, 0.5661, 0.3738



28.7934, 0.1905, 0.4701



28.7934, 0.1797, 0.1504

Complementary

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



28.7934, 0.5661, 0.3738



41.4570, 0.2025, 0.2409

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.



28.7934, 0.1263, 0.1556



28.7934, 0.5661, 0.3738



28.7934, 0.1269, 0.3038

Square

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



28.7934, 0.5661, 0.3738



28.7934, 0.2952, 0.5813



28.7934, 0.1091, 0.1993



28.7934, 0.2793, 0.1750

Rectangle

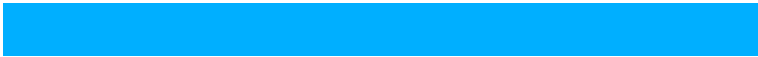
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.7934, 0.5661, 0.3738



28.7934, 0.4457, 0.5242



28.7934, 0.1091, 0.1993



28.7934, 0.1573, 0.1486

Sweetspot

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



28.7951, 0.5661, 0.3738



70.2996, 0.3635, 0.3496



24.7886, 0.3954, 0.2016



14.3319, 0.3721, 0.3525



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.



28.7951, 0.5661, 0.3738



26.4746, 0.5997, 0.3621



62.4890, 0.4539, 0.4692



18.0721, 0.3287, 0.3362



13.6561, 0.5966, 0.3645



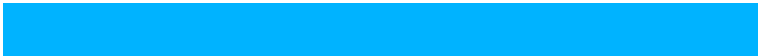
1.4415, 0.5734, 0.3829

Inverse Universe

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



41.4570, 0.2025, 0.2409



39.3276, 0.1962, 0.2262



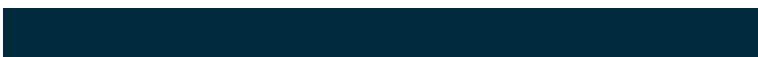
12.7488, 0.1650, 0.1026



18.6798, 0.2980, 0.3217



20.2220, 0.1967, 0.2282



2.0582, 0.2005, 0.2417

Previews

White Background



This preview shows how the Yxy color 28.7934, 0.5661, 0.3738 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 28.7934, 0.5661, 0.3738 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 28.7934, 0.5661, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 28.7934, 0.5661, 0.3738.



This preview shows how white text looks on a background with the Yxy color 28.7934, 0.5661, 0.3738.

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

28.7934, 0.5661, 0.3738

Protanopia

28.9494, 0.4238, 0.4680

Deuteranopia

28.7795, 0.4714, 0.4639



Tritanopia

28.8359, 0.5145, 0.3251

Trichromacy



Original Color

28.7934, 0.5661, 0.3738

Protanomaly

27.4558, 0.4812, 0.4298

Deuteranomaly

27.8517, 0.5113, 0.4278

Tritanomaly

28.6337, 0.5389, 0.3464

Monochromacy



Original Color

28.7934, 0.5661, 0.3738

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7867, 0.4117, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7934, 0.5661, 0.3738 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, 97, 32)` looks like.

```
.text, #text, p{  
    color:rgb(249, 97, 32)  
}
```

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, 97, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 97, 32) }
```

Border

The CSS property to change the border of an element to Yxy 28.7934, 0.5661, 0.3738 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, 97, 32) }
```

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

```
.border{ border-color:rgb(249, 97, 32) }
```

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

Here you see how a box with a 4 pixel rgb(249, 97, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 97, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 97, 32);  
box-shadow:4px 4px 4px 4px rgb(249, 97,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7934, 0.5661, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 97, 32) }
```

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

```
.background{ background-color: rgb(249, 97,  
32) }
```

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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