

Converting Colors

$Y_{xy}(23.9339, 0.5967, 0.3620)$

Have a look what the booklet for
Yxy(23.9339, 0.5967, 0.3620)
contains.

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Color

Yxy(23.9676, 0.5962, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	F34A07
RGB	243, 74, 7
RGB Percent	95%, 29%, 3%
CMY	0.0470, 0.7098, 0.9719
CMYK	0.00, 0.70, 0.97, 0.05
HSL	17°, 94%, 49%
HSV	17°, 97%, 95%
XYZ	39.4519, 23.9676, 2.7528
YIQ	116.8930, 122.2310, 14.9910

Conversions

Conversions Part 2

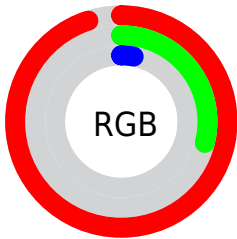
Format	Color
R _Y B	243, 101, 7
Decimal	15944199
CIE Lab	56.06, 62.39, 65.53
CIE LCh	56, 90.484, 46.407
Yxy	23.9676, 0.5962, 0.3622
Android (android.graphics.Color)	4294134279 (0xFFFF34A07)
YUV	116.8930, -54.1772, 110.5958
Hunter-Lab	48.9567, 58.1705, 30.9359

Details

The Yxy color **23.9676, 0.5962, 0.3622** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **37.6395, 0.1991, 0.2355**, and the grayscale version is **17.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8978, 0.5127, 0.3858**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.2946, 0.6030, 0.3594**, and if you desaturate by 10%, it is **26.7105, 0.5691, 0.3708**.

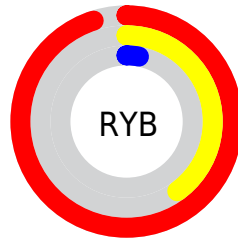
Distribution



Red (95%)

Green (29%)

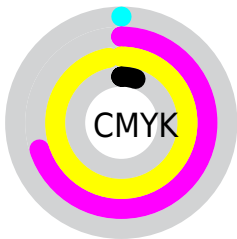
Blue (3%)



Red (95%)

Yellow (40%)

Blue (3%)

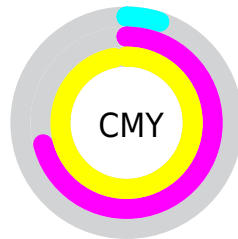


Cyan (0%)

Magenta (70%)

Yellow (97%)

Black (5%)



Cyan (5%)


Magenta (71%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9676, 0.5962, 0.3622 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 23.9676, 0.5962, 0.3622 by changing the saturation by 10% instead.


 23.9676, 0.5962,
0.3622


 23.9676, 0.5962,
0.3622


272.6566, 0.4522,
0.3681


 15.3096, 0.6264,
0.3514


 49.9773, 0.5469,
0.3713

 9.0370, 0.6649,
0.3351


 68.0978, 0.5272,
0.3726

 4.7653, 0.6977,
0.3023

 90.1413, 0.5101,
0.3728

 2.1102, 0.7440,
0.2560

 116.4921, 0.4953,
0.3723

 0.6704, 0.8158,
0.1842

 147.5346, 0.4824,
0.3715


 0.0000, 1.0000,
0.0000


 183.6533, 0.4711,

 0.0000, 0.0000,


0.3704


0.0000

 225.2325, 0.4611,
0.3693


 23.9676, 0.5962,
0.3622


 23.9676, 0.5962,
0.3622

 23.2946, 0.6030,
0.3594

 26.7105, 0.5691,
0.3708

 30.2400, 0.5348,
0.3750

 34.6203, 0.4969,
0.3747

 39.9063, 0.4591,
0.3709

 46.1477, 0.4241,
0.3647

■ 53.3905, 0.3930,
0.3572

■ 61.6775, 0.3661,
0.3493

■ 71.0489, 0.3434,
0.3415

■ 81.5427, 0.3243,
0.3340

Harmonies

Analogous

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



23.9676, 0.5629, 0.2828



23.9676, 0.5962, 0.3622



23.9676, 0.5307, 0.4577

Triad

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



23.9676, 0.5962, 0.3622



23.9676, 0.1777, 0.5076



23.9676, 0.1598, 0.1326

Complementary

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



23.9676, 0.5962, 0.3622



37.6395, 0.1991, 0.2355

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.



23.9676, 0.1068, 0.1390



23.9676, 0.5962, 0.3622



23.9676, 0.1089, 0.3064

Square

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



23.9676, 0.5962, 0.3622



23.9676, 0.2916, 0.6246



23.9676, 0.0904, 0.1864



23.9676, 0.2646, 0.1568

Rectangle

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



23.9676, 0.5962, 0.3622



23.9676, 0.4578, 0.5318



23.9676, 0.0904, 0.1864



23.9676, 0.1372, 0.1312

Sweetspot

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



23.9690, 0.5962, 0.3622



66.8414, 0.3712, 0.3509



22.3536, 0.4068, 0.2025



13.4515, 0.3825, 0.3543



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.



23.9690, 0.5962, 0.3622



25.9280, 0.6034, 0.3591



56.7311, 0.4623, 0.4697



17.2471, 0.3287, 0.3358



12.9811, 0.6002, 0.3616



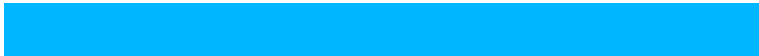
1.3083, 0.5758, 0.3810

Inverse Universe

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



37.6395, 0.1991, 0.2355



40.9812, 0.1978, 0.2321



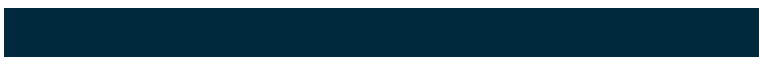
9.5713, 0.1574, 0.0846



17.9177, 0.2980, 0.3221



20.4371, 0.1984, 0.2340



1.9703, 0.2021, 0.2474

Previews

White Background



This preview shows how the Yxy color 23.9676, 0.5962, 0.3622 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 23.9676, 0.5962, 0.3622 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 23.9676, 0.5962, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 23.9676, 0.5962, 0.3622.



This preview shows how white text looks on a background with the Yxy color 23.9676, 0.5962, 0.3622.

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

23.9676, 0.5962, 0.3622

Protanopia

24.0872, 0.4321, 0.4769

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.9572, 0.5549, 0.3274

Trichromacy



Original Color

23.9676, 0.5962, 0.3622

Protanomaly

22.1750, 0.5028, 0.4282

Deuteranomaly

22.6020, 0.5264, 0.4189

Tritanomaly

23.9530, 0.5781, 0.3454

Monochromacy



Original Color

23.9676, 0.5962, 0.3622

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.6297, 0.4392, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9676, 0.5962, 0.3622 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(243, 74, 7)` looks like.

```
.text, #text, p{  
    color:rgb(243, 74, 7)  
}
```

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(243, 74, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 74, 7) }
```

Border

The CSS property to change the border of an element to Yxy 23.9676, 0.5962, 0.3622 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(243, 74, 7) }
```

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

```
.border{ border-color:rgb(243, 74, 7) }
```

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

Here you see how a box with a 4 pixel rgb(243, 74, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 74, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 74, 7);  
box-shadow:4px 4px 4px 4px rgb(243, 74, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.9676, 0.5962, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 74, 7) }
```

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

```
.background{ background-color: rgb(243, 74,  
7) }
```

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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