

Converting Colors

$Y_{xy}(22.9752, 0.6117, 0.3498)$

Have a look what the booklet for
Yxy(22.9752, 0.6117, 0.3498)
contains.

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Color

Yxy(22.9979, 0.6121, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	F83A07
RGB	248, 58, 7
RGB Percent	97%, 23%, 3%
CMY	0.0274, 0.7726, 0.9723
CMYK	0.00, 0.77, 0.97, 0.03
HSL	13°, 95%, 50%
HSV	13°, 97%, 97%
XYZ	40.2661, 22.9979, 2.5195
YIQ	108.9960, 129.6110, 24.4190

Conversions

Conversions Part 2

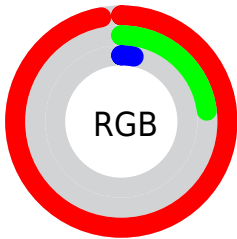
Format	Color
R_{YB}	248, 72, 7
Decimal	16267783
CIE _{Lab}	55.07, 69.19, 65.54
CIE _{LCh}	55, 95.303, 43.451
Yxy	22.9979, 0.6121, 0.3496
Android (android.graphics.Color)	4294457863 (0xFFFF83A07)
YUV	108.9960, -50.2840, 121.9065
Hunter-Lab	47.9561, 65.9532, 30.4543

Details

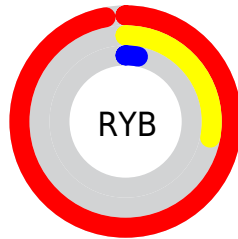
The Yxy color **22.9979, 0.6121, 0.3496** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **46.7921, 0.2060, 0.2604**, and the grayscale version is **15.4111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0746, 0.5249, 0.3764**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.4524, 0.6182, 0.3473**, and if you desaturate by 10%, it is **25.4473, 0.5853, 0.3575**.

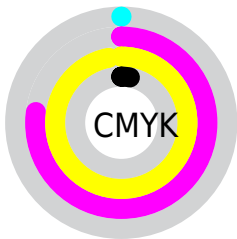
Distribution



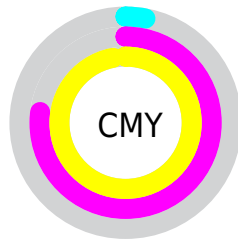
- Red (97%)
- Green (23%)
- Blue (3%)



- Red (97%)
- Yellow (28%)
- Blue (3%)



- Cyan (0%)
- Magenta (77%)
- Yellow (97%)
- Black (3%)




- Cyan (3%)
- Magenta (77%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9979, 0.6121, 0.3496 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 22.9979, 0.6121, 0.3496 by changing the saturation by 10% instead.


 22.9979, 0.6121,
0.3496


 22.9979, 0.6121,
0.3496


267.7142, 0.4597,
0.3637


 14.5920, 0.6440,
0.3364


 48.3899, 0.5600,
0.3620

 8.5335, 0.6833,
0.3167


 66.1447, 0.5391,
0.3645


 4.4382, 0.7189,
0.2811

 87.7846, 0.5210,
0.3657

 1.9216, 0.7683,
0.2317

 113.6940, 0.5054,
0.3660

 0.5613, 0.8473,
0.1527

 144.2573, 0.4917,
0.3658


 0.0000, 1.0000,
0.0000


 179.8588, 0.4797,

 0.0000, 0.0000,


0.3653


0.0000


 220.8830, 0.4691,
0.3645


 22.9979, 0.6121,
0.3496

 22.9979, 0.6121,
0.3496

 22.4524, 0.6182,
0.3473

 25.4473, 0.5853,
0.3575

 28.8203, 0.5491,
0.3619

 33.2052, 0.5082,
0.3626

 38.6772, 0.4672,
0.3602

 45.3044, 0.4293,
0.3558

■ 53.1489, 0.3961,
0.3503

■ 62.2683, 0.3678,
0.3443

■ 72.7167, 0.3442,
0.3384

■ 84.5447, 0.3246,
0.3328

Harmonies

Analogous

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



22.9979, 0.5679, 0.2703



22.9979, 0.6121, 0.3496



22.9979, 0.5481, 0.4470

Triad

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



22.9979, 0.6121, 0.3496



22.9979, 0.1783, 0.5428



22.9979, 0.1452, 0.1239

Complementary

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



22.9979, 0.6121, 0.3496



46.7921, 0.2060, 0.2604

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.



22.9979, 0.0958, 0.1331



22.9979, 0.6121, 0.3496



22.9979, 0.1035, 0.3210

Square

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



22.9979, 0.6121, 0.3496



22.9979, 0.2975, 0.6446



22.9979, 0.0820, 0.1859



22.9979, 0.2475, 0.1455

Rectangle

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



22.9979, 0.6121, 0.3496



22.9979, 0.4731, 0.5269



22.9979, 0.0820, 0.1859



22.9979, 0.1239, 0.1233

Sweetspot

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



22.9993, 0.6121, 0.3496



64.3862, 0.3728, 0.3455



24.2735, 0.3782, 0.1866



12.8808, 0.3847, 0.3480



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.



22.9993, 0.6121, 0.3496



23.8892, 0.6184, 0.3472



50.9172, 0.4828, 0.4533



17.8196, 0.3289, 0.3341



12.2905, 0.6158, 0.3493



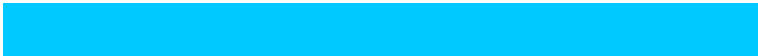
1.2847, 0.5938, 0.3667

Inverse Universe

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



46.7921, 0.2060, 0.2604



49.0393, 0.2050, 0.2581



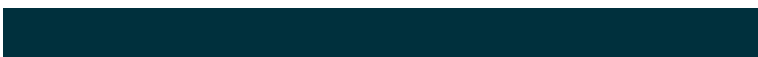
12.4657, 0.1621, 0.1018



18.9491, 0.2980, 0.3239



25.0969, 0.2054, 0.2594



2.4746, 0.2080, 0.2687

Previews

White Background



This preview shows how the Yxy color 22.9979, 0.6121, 0.3496 looks on a white background.

Color Contrast Check

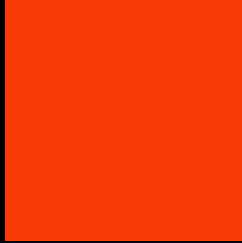
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9979, 0.6121, 0.3496 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 22.9979, 0.6121, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 22.9979, 0.6121, 0.3496.



This preview shows how white text looks on a background with the Yxy color 22.9979, 0.6121, 0.3496.

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

22.9979, 0.6121, 0.3496

Protanopia

23.2584, 0.4299, 0.4758

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.0539, 0.5866, 0.3292

Trichromacy



Original Color

22.9979, 0.6121, 0.3496

Protanomaly

20.6803, 0.5122, 0.4186

Deuteranomaly

21.0497, 0.5360, 0.4112

Tritanomaly

23.0121, 0.6004, 0.3388

Monochromacy



Original Color

22.9979, 0.6121, 0.3496

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2538, 0.4532, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9979, 0.6121, 0.3496 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(248, 58, 7)` looks like.

```
.text, #text, p{  
    color:rgb(248, 58, 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(248, 58, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 58, 7) }
```

Border

The CSS property to change the border of an element to Yxy 22.9979, 0.6121, 0.3496 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(248, 58, 7) }
```

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

```
.border{ border-color:rgb(248, 58, 7) }
```

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

Here you see how a box with a 4 pixel rgb(248, 58, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 58, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 58, 7);  
box-shadow:4px 4px 4px 4px rgb(248, 58, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.9979, 0.6121, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 58, 7) }
```

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

```
.background{ background-color: rgb(248, 58,  
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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