

Converting Colors

$Yxy(23.0067, 0.5599, 0.3873)$

Have a look what the booklet for
Yxy(23.0067, 0.5599, 0.3873)
contains.

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Color

Yxy(22.9233, 0.5604, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	DB5D0F
RGB	219, 93, 15
RGB Percent	86%, 36%, 6%
CMY	0.1412, 0.6352, 0.9408
CMYK	0.00, 0.58, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.2115, 22.9233, 3.1291
YIQ	121.7820, 100.1340, 2.4540

Conversions

Conversions Part 2

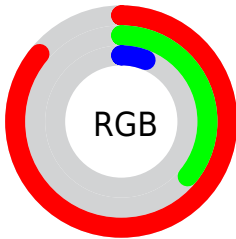
Format	Color
R _Y B	219, 141, 15
Decimal	14376207
CIE Lab	54.99, 46.17, 61.14
CIE LCh	55, 76.613, 52.945
Yxy	22.9233, 0.5604, 0.3868
Android (android.graphics.Color)	4292566287 (0xFFDB5D0F)
YUV	121.7820, -52.6435, 85.2602
Hunter-Lab	47.8783, 40.0323, 29.6398

Details

The Yxy color **22.9233, 0.5604, 0.3868** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **24.2810, 0.1919, 0.2070**, and the grayscale version is **19.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5824, 0.4945, 0.3987**, and **8.5190, 0.6056, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **21.3521, 0.5765, 0.3804**, and if you desaturate by 10%, it is **25.6126, 0.5328, 0.3927**.

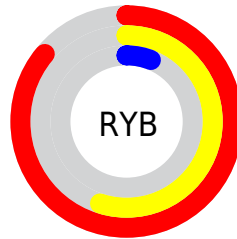
Distribution



Red (86%)

Green (36%)

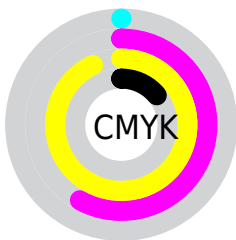
Blue (6%)



Red (86%)

Yellow (55%)

Blue (6%)

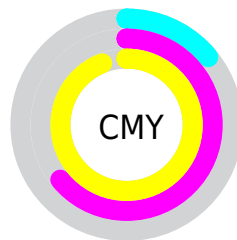


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9233, 0.5604, 0.3868 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 22.9233, 0.5604, 0.3868 by changing the saturation by 10% instead.


 22.9233, 0.5604,
0.3868


 22.9233, 0.5604,
0.3868


267.3308, 0.4320,
0.3746


 14.5369, 0.5885,
0.3811


 48.2674, 0.5155,
0.3884

 8.4950, 0.6274,
0.3726


 65.9938, 0.4978,
0.3871


 4.4133, 0.6560,
0.3440

 87.6023, 0.4826,
0.3852

 1.9073, 0.6984,
0.3016

 113.4774, 0.4696,
0.3831

 0.5528, 0.7783,
0.2217

 144.0034, 0.4583,
0.3809

 0.0000, 1.0000,
0.0000


 179.5647, 0.4484,


 0.0000, 0.0000,


0.3787


0.0000


 220.5457, 0.4397,
0.3766

 22.9233, 0.5604,
0.3868


 22.9233, 0.5604,
0.3868


 21.3521, 0.5765,
0.3804

 25.6126, 0.5328,
0.3927

 28.8236, 0.5010,
0.3933

 32.5897, 0.4677,
0.3893

 36.9396, 0.4353,
0.3820

 41.8994, 0.4054,
0.3727

■ 47.4938, 0.3786,
0.3624

■ 53.7455, 0.3551,
0.3519

■ 60.6764, 0.3349,
0.3416

■ 68.3070, 0.3176,
0.3319

Harmonies

Analogous

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



22.9233, 0.5464, 0.3085



22.9233, 0.5604, 0.3868



22.9233, 0.4956, 0.4762

Triad

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



22.9233, 0.5604, 0.3868



22.9233, 0.1785, 0.4425



22.9233, 0.1927, 0.1533

Complementary

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



22.9233, 0.5604, 0.3868



24.2810, 0.1919, 0.2070

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.



22.9233, 0.1331, 0.1537



22.9233, 0.5604, 0.3868



22.9233, 0.1227, 0.2834

Square

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



22.9233, 0.5604, 0.3868



22.9233, 0.2783, 0.5714



22.9233, 0.1108, 0.1904



22.9233, 0.2993, 0.1823

Rectangle

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



22.9233, 0.5604, 0.3868



22.9233, 0.4289, 0.5365



22.9233, 0.1108, 0.1904



22.9233, 0.1680, 0.1501

Sweetspot

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



22.9246, 0.5604, 0.3868



71.2379, 0.3667, 0.3573



17.4223, 0.4311, 0.2181



14.4459, 0.3773, 0.3619



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.



22.9246, 0.5604, 0.3868



29.8956, 0.5780, 0.3793



52.7037, 0.4417, 0.4840



13.8633, 0.3282, 0.3380



12.8587, 0.5738, 0.3826



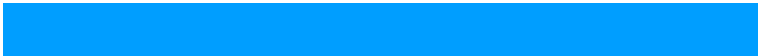
0.9965, 0.5434, 0.4068

Inverse Universe

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



24.2810, 0.1919, 0.2070



31.5154, 0.1878, 0.1960



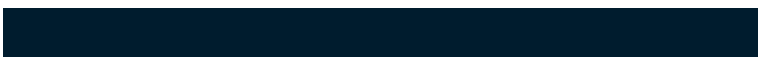
6.8912, 0.1565, 0.0780



13.9500, 0.2982, 0.3198



13.5739, 0.1887, 0.1993



1.0440, 0.1952, 0.2228

Previews

White Background



This preview shows how the Yxy color 22.9233, 0.5604, 0.3868 looks on a white background.

Color Contrast Check

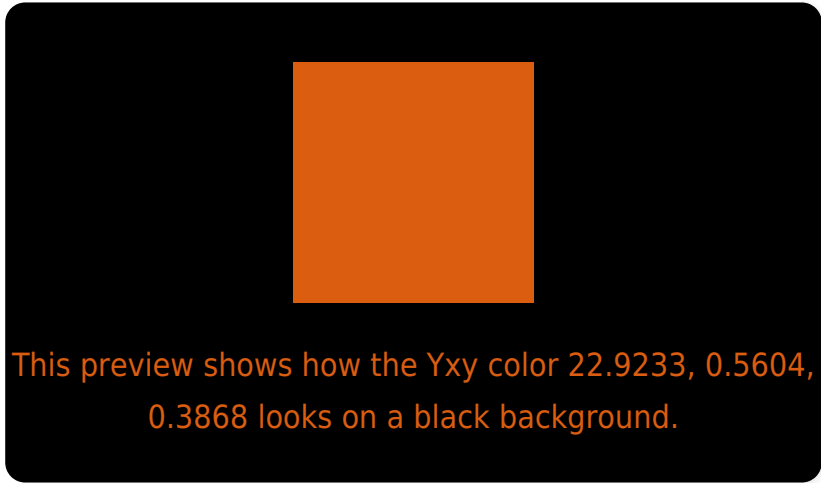
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 22.9233, 0.5604, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 22.9233, 0.5604, 0.3868.



This preview shows how white text looks on a background with the Yxy color 22.9233, 0.5604, 0.3868.

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

22.9233, 0.5604, 0.3868

Protanopia

23.2438, 0.4313, 0.4779

Deuteranopia

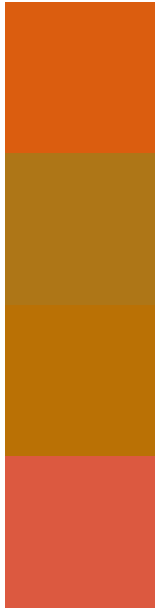
22.8827, 0.4716, 0.4637



Tritanopia

22.9612, 0.4964, 0.3242

Trichromacy



Original Color

22.9233, 0.5604, 0.3868

Protanomaly

22.0174, 0.4828, 0.4413

Deuteranomaly

22.2603, 0.5084, 0.4322

Tritanomaly

22.7306, 0.5299, 0.3541

Monochromacy



Original Color

22.9233, 0.5604, 0.3868

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1615, 0.4141, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9233, 0.5604, 0.3868 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(219, 93, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 15)  
}
```

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(219, 93, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 15) }
```

Border

The CSS property to change the border of an element to Yxy 22.9233, 0.5604, 0.3868 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(219, 93, 15) }
```

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

```
.border{ border-color:rgb(219, 93, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 93, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9233, 0.5604, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 93, 15) }
```

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

```
.background{ background-color: rgb(219, 93,  
15) }
```

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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