

Converting Colors

$Y_{xy}(22.5026, 0.5876, 0.3672)$

Have a look what the booklet for
Yxy(22.5026, 0.5876, 0.3672)
contains.

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Color

Yxy(22.4877, 0.5877, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	E84D0B
RGB	232, 77, 11
RGB Percent	91%, 30%, 4%
CMY	0.0902, 0.6980, 0.9566
CMYK	0.00, 0.67, 0.95, 0.09
HSL	18°, 91%, 48%
HSV	18°, 95%, 91%
XYZ	35.9913, 22.4877, 2.7620
YIQ	115.8210, 113.5660, 12.3340

Conversions

Conversions Part 2

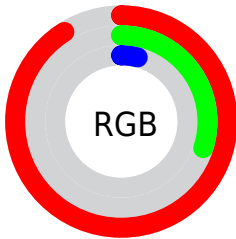
Format	Color
RYB	232, 105, 11
Decimal	15224075
CIELab	54.54, 57.68, 62.86
CIElCh	55, 85.311, 47.460
Yxy	22.4877, 0.5877, 0.3672
Android (android.graphics.Color)	4293414155 (0xFFE84D0B)
YUV	115.8210, -51.6768, 101.8890
Hunter-Lab	47.4212, 52.4893, 29.7416

Details

The Yxy color **22.4877, 0.5877, 0.3672** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **33.1820, 0.1985, 0.2324**, and the grayscale version is **17.5471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4524, 0.5101, 0.3871**, and **8.2806, 0.6386, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **21.4426, 0.5990, 0.3626**, and if you desaturate by 10%, it is **25.1514, 0.5592, 0.3750**.

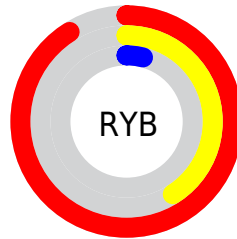
Distribution



Red (91%)

Green (30%)

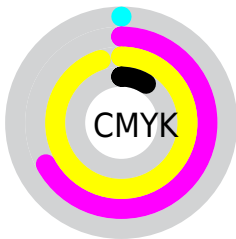
Blue (4%)



Red (91%)

Yellow (41%)

Blue (4%)

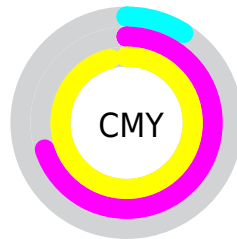


Cyan (0%)

Magenta (67%)

Yellow (95%)

Black (9%)



Cyan (9%)


Magenta (70%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4877, 0.5877, 0.3672 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 22.4877, 0.5877, 0.3672 by changing the saturation by 10% instead.


 22.4877, 0.5877,
0.3672


 22.4877, 0.5877,
0.3672


265.0827, 0.4457,
0.3688


 14.2157, 0.6182,
0.3573


 47.5507, 0.5384,
0.3746


 8.2708, 0.6579,
0.3421


 65.1106, 0.5189,
0.3753


 4.2687, 0.6910,
0.3090

 86.5351, 0.5021,
0.3750

 1.8250, 0.7387,
0.2613

 112.2088, 0.4876,
0.3741

 0.5027, 0.8254,
0.1746

 142.5160, 0.4750,
0.3729

 0.0000, 1.0000,
0.0000

 177.8411, 0.4640,

 0.0000, 0.0000,


0.3716


0.0000


 218.5686, 0.4543,
0.3702

 22.4877, 0.5877,
0.3672


 22.4877, 0.5877,
0.3672


 21.4426, 0.5990,
0.3626

 25.1514, 0.5592,
0.3750

 28.5126, 0.5245,
0.3781

 32.6237, 0.4871,
0.3767

 37.5301, 0.4505,
0.3720

 43.2733, 0.4168,
0.3651

■ 49.8915, 0.3870,
0.3571

■ 57.4206, 0.3613,
0.3488

■ 65.8943, 0.3395,
0.3406

■ 75.3446, 0.3211,
0.3329

Harmonies

Analogous

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



22.4877, 0.5576, 0.2880



22.4877, 0.5877, 0.3672



22.4877, 0.5234, 0.4612

Triad

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



22.4877, 0.5877, 0.3672



22.4877, 0.1795, 0.4933



22.4877, 0.1665, 0.1375

Complementary

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



22.4877, 0.5877, 0.3672



33.1820, 0.1985, 0.2324

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.



22.4877, 0.1126, 0.1430



22.4877, 0.5877, 0.3672



22.4877, 0.1130, 0.3026

Square

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



22.4877, 0.5877, 0.3672



22.4877, 0.2906, 0.6125



22.4877, 0.0953, 0.1885



22.4877, 0.2712, 0.1624

Rectangle

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



22.4877, 0.5877, 0.3672



22.4877, 0.4524, 0.5320



22.4877, 0.0953, 0.1885



22.4877, 0.1437, 0.1358

Sweetspot

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



22.4890, 0.5877, 0.3672



67.3703, 0.3709, 0.3521



20.2745, 0.4044, 0.2020



13.5750, 0.3821, 0.3557



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.



22.4890, 0.5877, 0.3672



26.4467, 0.5998, 0.3619



51.5108, 0.4607, 0.4699



15.0658, 0.3285, 0.3361



12.0970, 0.5961, 0.3649



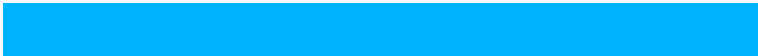
1.0519, 0.5674, 0.3877

Inverse Universe

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



33.1820, 0.1985, 0.2324



39.4086, 0.1963, 0.2265



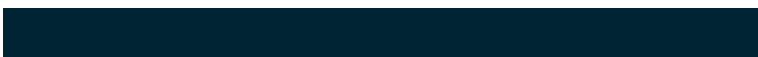
9.0180, 0.1587, 0.0880



15.5717, 0.2981, 0.3218



17.9549, 0.1969, 0.2289



1.4871, 0.2015, 0.2453

Previews

White Background



This preview shows how the Yxy color 22.4877, 0.5877, 0.3672 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 22.4877, 0.5877, 0.3672 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 22.4877, 0.5877, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 22.4877, 0.5877, 0.3672.



This preview shows how white text looks on a background with the Yxy color 22.4877, 0.5877, 0.3672.

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

22.4877, 0.5877, 0.3672

Protanopia

22.5148, 0.4313, 0.4773

Deuteranopia

22.4146, 0.4708, 0.4644



Tritanopia

22.4664, 0.5414, 0.3271

Trichromacy



Original Color

22.4877, 0.5877, 0.3672

Protanomaly

20.8880, 0.4982, 0.4304

Deuteranomaly

21.3430, 0.5205, 0.4230

Tritanomaly

22.4691, 0.5660, 0.3468

Monochromacy



Original Color

22.4877, 0.5877, 0.3672

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3219, 0.4301, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4877, 0.5877, 0.3672 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(232, 77, 11)` looks like.

```
.text, #text, p{  
  color:rgb(232, 77, 11)  
}
```

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(232, 77, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 77, 11) }
```

Border

The CSS property to change the border of an element to Yxy 22.4877, 0.5877, 0.3672 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(232, 77, 11) }
```

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

```
.border{ border-color:rgb(232, 77, 11) }
```

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

Here you see how a box with a 4 pixel rgb(232, 77, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 77, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 77, 11);  
box-shadow:4px 4px 4px 4px rgb(232, 77,  
11) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.4877, 0.5877, 0.3672$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 77, 11) }
```

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

```
.background{ background-color: rgb(232, 77,  
11) }
```

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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