

Converting Colors

$Y_{xy}(22.0713, 0.5827, 0.3727)$

Have a look what the booklet for
Yxy(22.0713, 0.5827, 0.3727)
contains.

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Color

Yxy(22.0836, 0.5831, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	E35007
RGB	227, 80, 7
RGB Percent	89%, 31%, 3%
CMY	0.1098, 0.6863, 0.9719
CMYK	0.00, 0.65, 0.97, 0.11
HSL	20°, 94%, 46%
HSV	20°, 97%, 89%
XYZ	34.5876, 22.0836, 2.6455
YIQ	115.6310, 111.0450, 8.4610

Conversions

Conversions Part 2

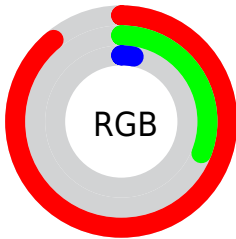
Format	Color
R_{YB}	227, 116, 7
Decimal	14897159
CIE _{Lab}	54.12, 54.75, 62.96
CIE _{LCh}	54, 83.435, 48.992
Yxy	22.0836, 0.5831, 0.3723
Android (android.graphics.Color)	4293087239 (0xFFE35007)
YUV	115.6310, -53.5551, 97.6706
Hunter-Lab	46.9932, 49.1401, 29.5574

Details

The Yxy color **22.0836, 0.5831, 0.3723** 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 **28.7626, 0.1947, 0.2193**, and the grayscale version is **17.4943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9813, 0.5096, 0.3903**, and **8.1571, 0.6314, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **21.3914, 0.5906, 0.3693**, and if you desaturate by 10%, it is **24.6419, 0.5564, 0.3806**.

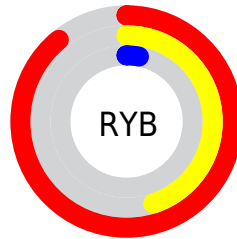
Distribution



Red (89%)

Green (31%)

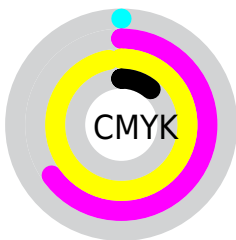
Blue (3%)



Red (89%)

Yellow (45%)

Blue (3%)

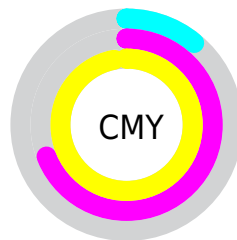


Cyan (0%)

Magenta (65%)

Yellow (97%)

Black (11%)



Cyan (11%)

Magenta (69%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0836, 0.5831, 0.3723 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 22.0836, 0.5831, 0.3723 by changing the saturation by 10% instead.


 22.0836, 0.5831,
0.3723


 22.0836, 0.5831,
0.3723


262.9825, 0.4433,
0.3709


 13.9183, 0.6131,
0.3630


 46.8841, 0.5346,
0.3787


 8.0639, 0.6518,
0.3482


 64.2882, 0.5153,
0.3789

 4.1359, 0.6845,
0.3155

 85.5406, 0.4988,
0.3782

 1.7498, 0.7320,
0.2680

 111.0259, 0.4845,
0.3771

 0.4556, 0.8253,
0.1747

 141.1283, 0.4721,
0.3756

 0.0000, 1.0000,
0.0000


 176.2323, 0.4613,

 0.0000, 0.0000,


0.3741

0.0000

 216.7222, 0.4517,
0.3725


 22.0836, 0.5831,
0.3723


 22.0836, 0.5831,
0.3723


 21.3914, 0.5906,
0.3693

 24.6419, 0.5564,
0.3806

 27.8149, 0.5237,
0.3840

 31.6482, 0.4881,
0.3827

 36.1809, 0.4527,
0.3777

 41.4483, 0.4197,
0.3703

■ 47.4832, 0.3902,
0.3616

■ 54.3161, 0.3645,
0.3524

■ 61.9760, 0.3425,
0.3433

■ 70.4902, 0.3238,
0.3346

Harmonies

Analogous

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



22.0836, 0.5584, 0.2929



22.0836, 0.5831, 0.3723



22.0836, 0.5170, 0.4662

Triad

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



22.0836, 0.5831, 0.3723



22.0836, 0.1770, 0.4806



22.0836, 0.1722, 0.1400

Complementary

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



22.0836, 0.5831, 0.3723



28.7626, 0.1947, 0.2193

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.



22.0836, 0.1163, 0.1439



22.0836, 0.5831, 0.3723



22.0836, 0.1134, 0.2956

Square

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



22.0836, 0.5831, 0.3723



22.0836, 0.2858, 0.6061



22.0836, 0.0975, 0.1869



22.0836, 0.2787, 0.1662

Rectangle

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



22.0836, 0.5831, 0.3723



22.0836, 0.4460, 0.5356



22.0836, 0.0975, 0.1869



22.0836, 0.1487, 0.1378

Sweetspot

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



22.0849, 0.5831, 0.3723



68.5238, 0.3702, 0.3545



18.9351, 0.4183, 0.2091



13.8447, 0.3811, 0.3585



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.



22.0849, 0.5831, 0.3723



27.6751, 0.5917, 0.3684



51.7618, 0.4544, 0.4758



15.1441, 0.3284, 0.3368



12.6660, 0.5879, 0.3714



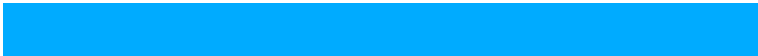
1.1015, 0.5595, 0.3940

Inverse Universe

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



28.7626, 0.1947, 0.2193



36.1656, 0.1929, 0.2146



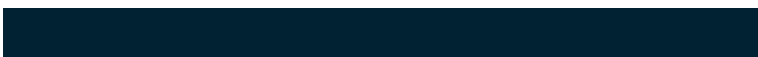
7.6640, 0.1561, 0.0798



15.4896, 0.2981, 0.3210



16.5153, 0.1937, 0.2172



1.3890, 0.1987, 0.2354

Previews

White Background



This preview shows how the Yxy color 22.0836, 0.5831, 0.3723 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 22.0836, 0.5831, 0.3723 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 22.0836, 0.5831, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 22.0836, 0.5831, 0.3723.



This preview shows how white text looks on a background with the Yxy color 22.0836, 0.5831, 0.3723.

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

22.0836, 0.5831, 0.3723

Protanopia

22.1464, 0.4322, 0.4783

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.2547, 0.5308, 0.3259

Trichromacy



Original Color

22.0836, 0.5831, 0.3723

Protanomaly

20.7493, 0.4944, 0.4348

Deuteranomaly

21.0868, 0.5190, 0.4247

Tritanomaly

22.0588, 0.5592, 0.3495

Monochromacy



Original Color

22.0836, 0.5831, 0.3723

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2902, 0.4292, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0836, 0.5831, 0.3723 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(227, 80, 7)` looks like.

```
.text, #text, p{  
    color:rgb(227, 80, 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(227, 80, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 80, 7) }
```

Border

The CSS property to change the border of an element to Yxy 22.0836, 0.5831, 0.3723 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(227, 80, 7) }
```

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

```
.border{ border-color:rgb(227, 80, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 80, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 80, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 80, 7);  
box-shadow:4px 4px 4px 4px rgb(227, 80, 7)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0836, 0.5831, 0.3723$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 80, 7) }
```

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

```
.background{ background-color: rgb(227, 80,  
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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