

Converting Colors

XYZ(41.7882, 36.6320, 4.8988)

Have a look what the booklet for
XYZ(41.7882, 36.6320, 4.8988)
contains.

XYZ(41.8094, 36.5839, 4.8865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.8094, 36.5839,
4.8865)**

Conversions

Conversions Part 1

Format	Color
Hex	E39101
RGB	227, 145, 1
RGB Percent	89%, 57%, 0%
CMY	0.1098, 0.4313, 0.9960
CMYK	0.00, 0.36, 1.00, 0.11
HSL	38°, 99%, 45%
HSV	38°, 100%, 89%
XYZ	41.8094, 36.5839, 4.8865
YIQ	153.1020, 95.0960, -27.4000

Conversions

Conversions Part 2

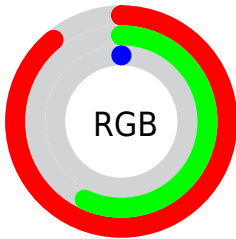
Format	Color
R_{YB}	130, 227, 1
Decimal	14913793
CIE _{Lab}	66.96, 22.66, 71.97
CIE _{LCh}	67, 75.450, 72.523
Yxy	36.5839, 0.5020, 0.4393
Android (android.graphics.Color)	4293103873 (0xFFE39101)
YUV	153.1020, -74.9863, 64.8085
Hunter-Lab	60.4846, 17.5383, 37.5493

Details

The XYZ color **41.8094, 36.5839, 4.8865** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **16.9712, 11.7396, 74.0438**, and the grayscale version is **30.6117, 32.2059, 35.0722**.

A 20% lighter version of the original color is **62.9334, 62.6148, 15.4255**, and **19.5198, 16.0047, 2.0604** is the 20% darker color. If you saturate the color by 10%, you get **41.7487, 36.4716, 4.8393**, and if you desaturate by 10%, it is **43.2711, 39.2575, 6.1453**.

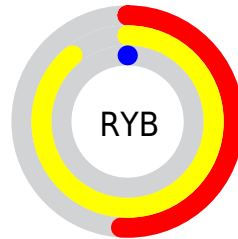
Distribution



Red (89%)

Green (57%)

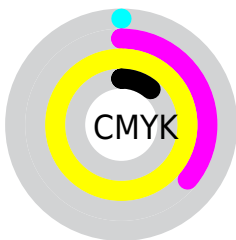
Blue (0%)



Red (51%)

Yellow (89%)

Blue (0%)

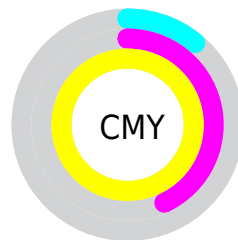


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8094, 36.5839, 4.8865 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 XYZ color 41.8094, 36.5839, 4.8865 by changing the saturation by 10% instead.


 41.8094, 36.5839,
4.8865


 41.8094, 36.5839,
4.8865


344.6973,
331.5055, 157.6209


 29.1425, 24.8855,
2.1232


 77.1781, 69.9324,
16.0076


 19.3335, 15.9918,
0.6296


 100.6106, 92.3512,
25.2025

 12.0169, 9.5183,
0.0000


 128.3623,
119.1123, 37.3783

 6.8275, 5.0808,
0.0000

 160.7987,
150.6000, 52.9537

 3.3998, 2.2947,
0.0000

 198.2850,
187.1988, 72.3471


 1.3686, 0.7709,
0.0000

 241.1866,


 0.2337, 0.0000,


229.2931, 95.9770


0.0000


 289.8690,
277.2672, 124.2621


 0.0000, 0.0000,
0.0000


 41.8094, 36.5839,
4.8865


 41.8094, 36.5839,
4.8865


 41.7487, 36.4716,
4.8393

 43.2711, 39.2575,
6.1453

 45.0082, 42.1886,
8.3985

 47.0771, 45.4043,
11.9310

 49.5123, 48.9212,
16.9151

 52.3429, 52.7537,
23.4962

■ 55.5946, 56.9147,
31.8018

■ 59.2909, 61.4163,
41.9463

■ 63.4530, 66.2694,
54.0345

■ 68.1007, 71.4844,
68.1629

Harmonies

Analogous

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



53.6460, 36.5839, 10.6138



41.8094, 36.5839, 4.8865



30.2145, 36.5839, 4.5466

Triad

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



41.8094, 36.5839, 4.8865



17.4077, 36.5839, 55.1244



51.8701, 36.5839, 106.6891

Complementary

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



41.8094, 36.5839, 4.8865



16.9712, 11.7396, 74.0438

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.



39.7660, 36.5839, 138.4907



41.8094, 36.5839, 4.8865



20.9425, 36.5839, 99.4309

Square

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



41.8094, 36.5839, 4.8865



17.7200, 36.5839, 23.7439



28.5720, 36.5839, 135.2799



60.2737, 36.5839, 61.9207

Rectangle

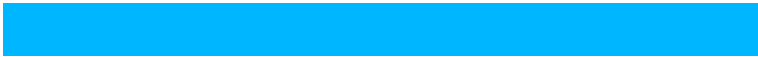
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8094, 36.5839, 4.8865



24.2303, 36.5839, 6.8189



28.5720, 36.5839, 135.2799



47.9982, 36.5839, 120.1234

Sweetspot

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



41.8102, 36.5858, 4.8872



76.8622, 79.5665, 53.6900



33.2845, 16.9908, 9.8868



16.0026, 16.4891, 10.2424



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8102, 36.5858, 4.8872



54.2453, 47.2706, 6.2651



50.4656, 66.7923, 10.2614



15.1388, 15.8916, 15.1739



24.4627, 21.4996, 2.8605



1.8952, 1.7638, 0.2406

Inverse Universe

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



16.9712, 11.7396, 74.0438



21.9222, 14.9644, 96.3407



14.4454, 5.8615, 73.0424



14.0088, 14.7389, 18.2509



9.9629, 6.9879, 43.2069



0.8221, 0.6881, 3.2215

Previews

White Background



This preview shows how the XYZ color 41.8094, 36.5839, 4.8865 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.8094, 36.5839, 4.8865 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8094, 36.5839, 4.8865

Background



This preview shows how black text looks on a background with the XYZ color 41.8094, 36.5839, 4.8865.



This preview shows how white text looks on a background with the XYZ color 41.8094, 36.5839,

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

41.8094, 36.5839, 4.8865

Protanopia

33.1362, 36.7787, 5.8427

Deuteranopia

37.4535, 36.7081, 5.1114



Tritanopia

47.3791, 36.6959, 31.3739

Trichromacy



Original Color

41.8094, 36.5839, 4.8865

Protanomaly

35.9368, 36.4175, 5.4518

Deuteranomaly

38.7982, 36.4294, 4.9867

Tritanomaly

44.1634, 36.2445, 15.0241

Monochromacy



Original Color

41.8094, 36.5839, 4.8865

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.9333, 32.3978, 16.1256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8094, 36.5839, 4.8865 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, 145, 1)` looks like.

```
.text, #text, p{  
    color:rgb(227, 145, 1)  
}
```

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, 145, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 145, 1) }
```

Border

The CSS property to change the border of an element to XYZ 41.8094, 36.5839, 4.8865 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, 145, 1) }
```


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

```
.border{ border-color:rgb(227, 145, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 145, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 145, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 145, 1);  
box-shadow:4px 4px 4px 4px rgb(227, 145,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8094, 36.5839, 4.8865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 145, 1) }
```

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

```
.background{ background-color: rgb(227,  
145, 1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor