

Converting Colors

XYZ(38.6507, 36.8546, 8.3255)

Have a look what the booklet for
XYZ(38.6507, 36.8546, 8.3255)
contains.

XYZ(38.5894, 36.7320, 8.3049)	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(38.5894, 36.7320,
8.3049)**

Conversions

Conversions Part 1

Format	Color
Hex	D29934
RGB	210, 153, 52
RGB Percent	82%, 60%, 20%
CMY	0.1765, 0.4000, 0.7961
CMYK	0.00, 0.27, 0.75, 0.18
HSL	38°, 64%, 51%
HSV	38°, 75%, 82%
XYZ	38.5894, 36.7320, 8.3049
YIQ	158.5290, 66.3930, -19.3270

Conversions

Conversions Part 2

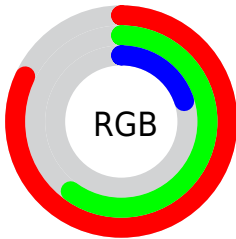
Format	Color
RYB	141, 210, 52
Decimal	13801780
CIELab	67.08, 12.15, 58.42
CIELCh	67, 59.666, 78.248
Yxy	36.7320, 0.4615, 0.4392
Android (android.graphics.Color)	4291991860 (0xFFD29934)
YUV	158.5290, -52.5188, 45.1401
Hunter-Lab	60.6069, 7.5917, 34.3004

Details

The XYZ color **38.5894, 36.7320, 8.3049** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.5174, 16.3199, 63.1465**, and the grayscale version is **32.9513, 34.6673, 37.7527**.

A 20% lighter version of the original color is **66.1026, 66.9056, 22.7947**, and **17.5139, 16.0821, 2.1811** is the 20% darker color. If you saturate the color by 10%, you get **37.0168, 34.1831, 5.9435**, and if you desaturate by 10%, it is **40.4526, 39.5261, 11.8011**.

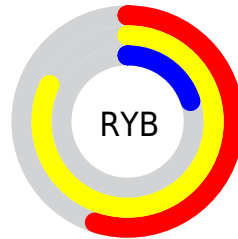
Distribution



Red (82%)

Green (60%)

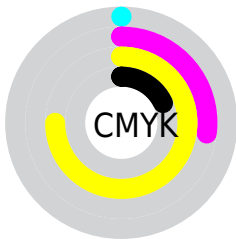
Blue (20%)



Red (55%)

Yellow (82%)

Blue (20%)

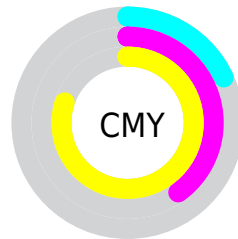


Cyan (0%)

Magenta (27%)

Yellow (75%)

Black (18%)



Cyan (18%)


Magenta (40%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5894, 36.7320, 8.3049 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 38.5894, 36.7320, 8.3049 by changing the saturation by 10% instead.


 38.5894, 36.7320,
8.3049


 38.5894, 36.7320,
8.3049


331.3789,
332.1488, 188.1273

 26.6197, 25.0001,
4.2001


 72.3087, 70.1604,
23.1100


 17.4230, 16.0771,
1.7357


 94.7891, 92.6257,
34.6474

 10.6337, 9.5787,
0.3851


 121.5038,
119.4375, 49.4994

 5.8865, 5.1205,
0.0000

 152.8181,
150.9802, 68.0845

 2.8162, 2.3182,
0.0000

 189.0974,
187.6384, 90.8213

 1.0573, 0.7833,
0.0000

 230.7071,

 0.0000, 0.0000,

229.7962, 118.1284

0.0000

278.0125,
277.8382, 150.4242

■ 38.5894, 36.7320,
8.3049

■ 38.5894, 36.7320,
8.3049

■ 37.0168, 34.1831,
5.9435

■ 40.4526, 39.5261,
11.8011

■ 35.7007, 31.8589,
4.5550

■ 42.6302, 42.5727,
16.5609

■ 35.1374, 30.8200,
4.0969

■ 45.1456, 45.8849,
22.6978

■ 48.0192, 49.4729,
30.3120

■ 51.2693, 53.3461,
39.4942

■ 54.9131, 57.5136,
50.3280

■ 58.9665, 61.9835,
62.8907

■ 63.4442, 66.7639,
77.2549

■ 68.3606, 71.8623,
93.4890

Harmonies

Analogous

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



47.8715, 36.7320, 13.0947



38.5894, 36.7320, 8.3049



29.7282, 36.7320, 8.8295

Triad

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



38.5894, 36.7320, 8.3049



20.8227, 36.7320, 57.7754



49.6180, 36.7320, 83.3649

Complementary

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



38.5894, 36.7320, 8.3049



18.5174, 16.3199, 63.1465

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.



40.6674, 36.7320, 108.7189



38.5894, 36.7320, 8.3049



24.5329, 36.7320, 90.0710

Square

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



38.5894, 36.7320, 8.3049



20.4621, 36.7320, 30.6538



31.4772, 36.7320, 111.5987



54.9379, 36.7320, 51.0636

Rectangle

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



38.5894, 36.7320, 8.3049



25.1849, 36.7320, 12.1832



31.4772, 36.7320, 111.5987



46.8694, 36.7320, 93.4895

Sweetspot

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



38.5902, 36.7338, 8.3056



80.6219, 84.0179, 64.4015



30.6172, 17.2822, 16.4554



16.8378, 17.4952, 12.5689



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.



38.5902, 36.7338, 8.3056



56.2140, 50.9185, 7.8137



44.6361, 57.1511, 11.9279



12.4298, 13.0504, 12.4759



21.5318, 18.9965, 2.5318



1.2777, 1.2098, 0.1662

Inverse Universe

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



18.5174, 16.3199, 63.1465



23.8562, 18.2189, 96.8670



15.6138, 8.5286, 61.7956



11.5078, 12.1058, 14.9738



8.7492, 6.1450, 37.9175



0.5636, 0.4924, 2.1449

Previews

White Background



This preview shows how the XYZ color 38.5894, 36.7320, 8.3049 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 38.5894, 36.7320, 8.3049 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 38.5894, 36.7320, 8.3049

Background



This preview shows how black text looks on a background with the XYZ color 38.5894, 36.7320, 8.3049.



This preview shows how white text looks on a background with the XYZ color 38.5894, 36.7320,

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

38.5894, 36.7320, 8.3049

Protanopia

33.4935, 36.8940, 8.9704

Deuteranopia

37.4957, 36.6608, 8.2320



Tritanopia

44.2705, 36.7297, 35.3281

Trichromacy



Original Color

38.5894, 36.7320, 8.3049

Protanomaly

35.2290, 36.7454, 8.7258

Deuteranomaly

37.8853, 36.6156, 8.2027

Tritanomaly

41.3762, 36.4479, 21.6840

Monochromacy



Original Color

38.5894, 36.7320, 8.3049

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.8072, 34.9350, 22.7306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5894, 36.7320, 8.3049 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(210, 153, 52)` looks like.

```
.text, #text, p{  
    color:rgb(210, 153, 52)  
}
```

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(210, 153, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 153, 52) }
```

Border

The CSS property to change the border of an element to XYZ 38.5894, 36.7320, 8.3049 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(210, 153, 52) }
```


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

```
.border{ border-color:rgb(210, 153, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 153, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 153, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 153, 52);  
box-shadow:4px 4px 4px 4px rgb(210, 153,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5894, 36.7320, 8.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 153, 52) }
```

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

```
.background{ background-color: rgb(210,  
153, 52) }
```

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