

Converting Colors

XYZ(42.8986, 38.3616, 5.9182)

Have a look what the booklet for
XYZ(42.8986, 38.3616, 5.9182)
contains.

XYZ(42.7297, 38.2015, 5.8806)	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(42.7297, 38.2015,
5.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	E39616
RGB	227, 150, 22
RGB Percent	89%, 59%, 9%
CMY	0.1098, 0.4117, 0.9137
CMYK	0.00, 0.34, 0.90, 0.11
HSL	37°, 82%, 49%
HSV	37°, 90%, 89%
XYZ	42.7297, 38.2015, 5.8806
YIQ	158.4310, 86.9800, -23.4840

Conversions

Conversions Part 2

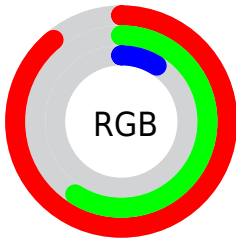
Format	Color
RYB	145, 227, 22
Decimal	14915094
CIELab	68.17, 20.23, 69.52
CIELCh	68, 72.404, 73.772
Yxy	38.2015, 0.4922, 0.4400
Android (android.graphics.Color)	4293105174 (0xFFE39616)
YUV	158.4310, -67.2605, 60.1350
Hunter-Lab	61.8074, 15.2407, 37.6241

Details

The XYZ color **42.7297, 38.2015, 5.8806** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **18.6579, 14.6404, 74.5149**, and the grayscale version is **32.9654, 34.6821, 37.7689**.

A 20% lighter version of the original color is **64.4331, 65.0858, 17.5543**, and **20.1877, 17.0307, 2.2232** is the 20% darker color. If you saturate the color by 10%, you get **41.3127, 35.5996, 4.6940**, and if you desaturate by 10%, it is **44.4642, 41.1537, 8.0532**.

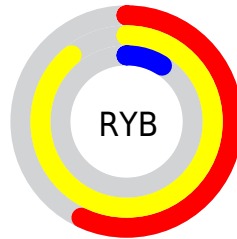
Distribution



Red (89%)

Green (59%)

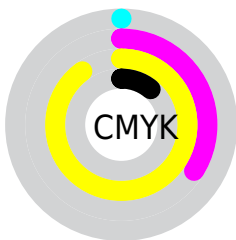
Blue (9%)



Red (57%)

Yellow (89%)

Blue (9%)

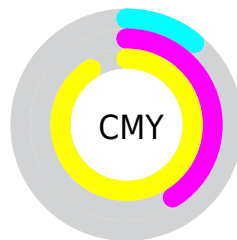


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (11%)



Cyan (11%)

Magenta (41%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7297, 38.2015, 5.8806 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 42.7297, 38.2015, 5.8806 by changing the saturation by 10% instead.

42.7297, 38.2015,
5.8806

42.7297, 38.2015,
5.8806

348.4394,
338.4836, 167.2697

29.8667, 26.1391,
2.7050

78.5611, 72.4169,
18.1559

19.8850, 16.9277,
0.9459

102.2601, 95.3387,
28.0927

12.4193, 10.1830,
0.0000

130.3019,
122.6490, 41.1204

7.1041, 5.5205,
0.0000

163.0518,
154.7324, 57.6574

3.5742, 2.5557,
0.0000

200.8752,
191.9731, 78.1222

1.4642, 0.9045,
0.0000

244.1373,

0.3013, 0.0000,

234.7556, 102.9336

0.0000

293.2036,
283.4643, 132.5099

■ 0.0000, 0.0000,
0.0000

■ 42.7297, 38.2015,
5.8806

■ 42.7297, 38.2015,
5.8806

■ 41.3127, 35.5996,
4.6940

■ 44.4642, 41.1537,
8.0532

■ 46.5330, 44.3997,
11.4920

■ 48.9722, 47.9586,
16.3727

■ 51.8114, 51.8453,
22.8424

■ 55.0768, 56.0734,
31.0298

■ 58.7920, 60.6552,
41.0503

■ 62.9787, 65.6021,
53.0093

■ 67.6570, 70.9251,
67.0039

■ 72.8457, 76.6342,
83.1250

Harmonies

Analogous

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



54.3780, 38.2015, 11.6803



42.7297, 38.2015, 5.8806



31.3762, 38.2015, 5.6952

Triad

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



42.7297, 38.2015, 5.8806



19.0235, 38.2015, 58.2464



53.5201, 38.2015, 104.6943

Complementary

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



42.7297, 38.2015, 5.8806



18.6579, 14.6404, 74.5149

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.



41.7343, 38.2015, 136.0999



42.7297, 38.2015, 5.8806



22.7652, 38.2015, 101.2415

Square

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



42.7297, 38.2015, 5.8806



19.1807, 38.2015, 26.5092



30.5667, 38.2015, 134.5834



61.4375, 38.2015, 61.5325

Rectangle

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



42.7297, 38.2015, 5.8806



25.5159, 38.2015, 8.3385



30.5667, 38.2015, 134.5834



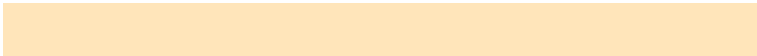
49.7842, 38.2015, 117.7796

Sweetspot

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



42.7306, 38.2035, 5.8813



78.1771, 80.9280, 58.0383



34.2941, 17.8364, 13.8416



16.3487, 16.8609, 11.3455



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.



42.7306, 38.2035, 5.8813



53.6768, 46.1336, 6.0756



52.2651, 67.7039, 11.0729



15.1229, 15.8598, 15.1686



24.2095, 20.9932, 2.7761



1.8776, 1.7285, 0.2347

Inverse Universe

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



18.6579, 14.6404, 74.5149



22.2124, 15.5448, 96.4375



15.2753, 6.6992, 73.1604



14.0241, 14.7697, 18.2560



10.0959, 7.2539, 43.2512



0.8330, 0.7100, 3.2251

Previews

White Background



This preview shows how the XYZ color 42.7297, 38.2015, 5.8806 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 42.7297, 38.2015, 5.8806 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 42.7297, 38.2015, 5.8806

Background



This preview shows how black text looks on a background with the XYZ color 42.7297, 38.2015, 5.8806.



This preview shows how white text looks on a background with the XYZ color 42.7297, 38.2015,

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

42.7297, 38.2015, 5.8806

Protanopia

34.7556, 38.4079, 6.6186

Deuteranopia

39.1572, 38.3291, 5.6823



Tritanopia

48.4874, 38.2818, 33.6877

Trichromacy



Original Color

42.7297, 38.2015, 5.8806

Protanomaly

37.2775, 38.1165, 6.3122

Deuteranomaly

40.4301, 38.2318, 5.7388

Tritanomaly

45.3764, 37.9147, 17.7586

Monochromacy



Original Color

42.7297, 38.2015, 5.8806

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0101, 34.6141, 19.3567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7297, 38.2015, 5.8806 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, 150, 22)` looks like.

```
.text, #text, p{  
    color:rgb(227, 150, 22)  
}
```

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, 150, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 150, 22) }
```

Border

The CSS property to change the border of an element to XYZ 42.7297, 38.2015, 5.8806 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, 150, 22) }
```


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

```
.border{ border-color:rgb(227, 150, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 150, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 150, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 150, 22);  
box-shadow:4px 4px 4px 4px rgb(227, 150,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7297, 38.2015, 5.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 150, 22) }
```

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

```
.background{ background-color: rgb(227,  
150, 22) }
```

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