

Converting Colors

XYZ(45.1721, 37.7408, 5.7091)

Have a look what the booklet for
XYZ(45.1721, 37.7408, 5.7091)
contains.

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Color

**XYZ(45.2370, 37.8839,
5.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	EE8F17
RGB	238, 143, 23
RGB Percent	93%, 56%, 9%
CMY	0.0667, 0.4392, 0.9098
CMYK	0.00, 0.40, 0.90, 0.07
HSL	33°, 86%, 51%
HSV	33°, 90%, 93%
XYZ	45.2370, 37.8839, 5.7387
YIQ	157.7250, 95.1400, -17.1800

Conversions

Conversions Part 2

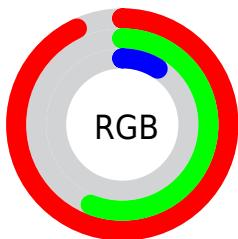
Format	Color
R_{YB}	193, 238, 23
Decimal	15634199
CIE Lab	67.93, 28.59, 69.73
CIE LCh	68, 75.364, 67.704
Yxy	37.8839, 0.5091, 0.4263
Android (android.graphics.Color)	4293824279 (0xFFEE8F17)
YUV	157.7250, -66.4194, 70.4012
Hunter-Lab	61.5499, 23.4789, 37.5569

Details

The XYZ color **45.2370, 37.8839, 5.7387** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **22.2643, 19.3119, 83.4424**, and the grayscale version is **32.6372, 34.3369, 37.3929**.

A 20% lighter version of the original color is **62.8065, 61.8326, 17.0121**, and **21.7316, 16.8844, 2.1136** is the 20% darker color. If you saturate the color by 10%, you get **43.6255, 34.9087, 4.4387**, and if you desaturate by 10%, it is **47.2458, 41.3346, 8.1572**.

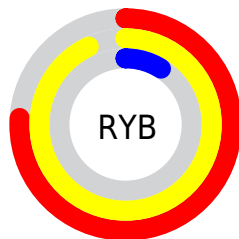
Distribution



Red (93%)

Green (56%)

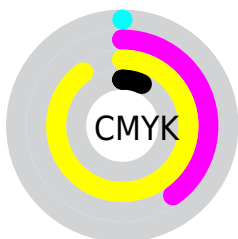
Blue (9%)



Red (76%)

Yellow (93%)

Blue (9%)

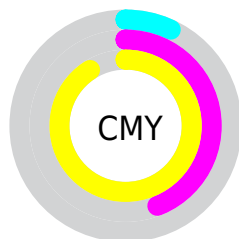


Cyan (0%)

Magenta (40%)

Yellow (90%)

Black (7%)



Cyan (7%)


Magenta (44%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2370, 37.8839, 5.7387 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 45.2370, 37.8839, 5.7387 by changing the saturation by 10% instead.


 45.2370, 37.8839,
5.7387


 45.2370, 37.8839,
5.7387


358.5001,
337.1217, 165.9402


 31.8462, 25.8926,
2.6206


 82.3108, 71.9302,
17.8543


 21.3990, 16.7433,
0.9031


 106.7246, 94.7539,
27.6889

 13.5301, 10.0516,
0.0000


 135.5433,
121.9572, 40.5995

 7.8741, 5.4332,
0.0000

 169.1325,
153.9245, 57.0045

 4.0656, 2.5036,
0.0000

 207.8574,
191.0403, 77.3225

 1.7393, 0.8784,
0.0000

 252.0834,

 0.4807, 0.0000,

233.6888, 101.9722

0.0000

302.1759,
282.2544, 131.3719

■ 0.0000, 0.0000,
0.0000

■ 45.2370, 37.8839,
5.7387

■ 45.2370, 37.8839,
5.7387

■ 43.6255, 34.9087,
4.4387

■ 47.2458, 41.3346,
8.1572

■ 49.6667, 45.1916,
12.0004

■ 52.5416, 49.4792,
17.4668

■ 55.9055, 54.2171,
24.7224

■ 59.7892, 59.4234,
33.9123

■ 64.2205, 65.1146,
45.1669

■ 69.2252, 71.3061,
58.6047

■ 74.8270, 78.0127,
74.3356

■ 81.0482, 85.2482,
92.4616

Harmonies

Analogous

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



56.9060, 37.8839, 13.0563



45.2370, 37.8839, 5.7387



33.0744, 37.8839, 4.6748

Triad

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



45.2370, 37.8839, 5.7387



17.9950, 37.8839, 50.5055



51.5971, 37.8839, 116.1290

Complementary

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



45.2370, 37.8839, 5.7387



22.2643, 19.3119, 83.4424

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.



39.1091, 37.8839, 143.7386



45.2370, 37.8839, 5.7387



20.9773, 37.8839, 94.5477

Square

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



45.2370, 37.8839, 5.7387



18.9427, 37.8839, 21.3122



28.1274, 37.8839, 134.2197



61.0977, 37.8839, 70.8473

Rectangle

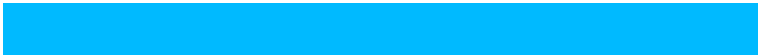
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.2370, 37.8839, 5.7387



26.5266, 37.8839, 6.4567



28.1274, 37.8839, 134.2197



47.5147, 37.8839, 128.6555

Sweetspot

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



45.2378, 37.8859, 5.7394



76.9305, 78.4348, 57.6228



38.9414, 20.1401, 19.5259



16.0544, 16.2722, 11.2474



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.



45.2378, 37.8859, 5.7394



50.9623, 40.7046, 5.1708



62.4863, 77.5820, 12.4924



16.5046, 17.2223, 16.6041



24.4700, 19.7380, 2.5201



2.1347, 1.8400, 0.2427

Inverse Universe

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



22.2643, 19.3119, 83.4424



23.9183, 18.9566, 97.0061



16.3907, 7.1220, 81.3991



15.4720, 16.3782, 20.0675



11.5613, 9.3469, 46.3227



1.0594, 0.9727, 3.8861

Previews

White Background



This preview shows how the XYZ color 45.2370, 37.8839, 5.7387 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 45.2370, 37.8839, 5.7387 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 45.2370, 37.8839, 5.7387

Background



This preview shows how black text looks on a background with the XYZ color 45.2370, 37.8839, 5.7387.



This preview shows how white text looks on a background with the XYZ color 45.2370, 37.8839,

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

45.2370, 37.8839, 5.7387

Protanopia

34.3641, 37.9310, 6.7385

Deuteranopia

38.6353, 37.8156, 5.2628



Tritanopia

50.3076, 37.8129, 30.6337

Trichromacy



Original Color

45.2370, 37.8839, 5.7387

Protanomaly

37.8783, 37.6547, 6.3086

Deuteranomaly

40.7873, 37.6896, 5.3548

Tritanomaly

47.4734, 37.4929, 16.5391

Monochromacy



Original Color

45.2370, 37.8839, 5.7387

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.6451, 34.4514, 19.2918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2370, 37.8839, 5.7387 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(238, 143, 23)` looks like.

```
.text, #text, p{  
    color:rgb(238, 143, 23)  
}
```

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(238, 143, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 143, 23) }
```

Border

The CSS property to change the border of an element to XYZ 45.2370, 37.8839, 5.7387 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(238, 143, 23) }
```


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

```
.border{ border-color:rgb(238, 143, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 143, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 143, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 143, 23);  
box-shadow:4px 4px 4px 4px rgb(238, 143,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2370, 37.8839, 5.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 143, 23) }
```

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

```
.background{ background-color: rgb(238,  
143, 23) }
```

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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