

Converting Colors

XYZ(47.4907, 42.1875, 9.7422)

Have a look what the booklet for
XYZ(47.4907, 42.1875, 9.7422)
contains.

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Color

**XYZ(47.4385, 42.2626,
9.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9D3B
RGB	236, 157, 59
RGB Percent	93%, 62%, 23%
CMY	0.0745, 0.3843, 0.7686
CMYK	0.00, 0.33, 0.75, 0.07
HSL	33°, 82%, 58%
HSV	33°, 75%, 93%
XYZ	47.4385, 42.2626, 9.7949
YIQ	169.4490, 78.5420, -13.7300

Conversions

Conversions Part 2

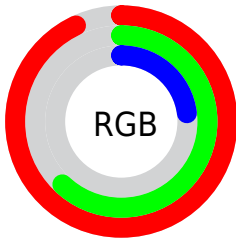
Format	Color
R_{YB}	202, 236, 59
Decimal	15506747
CIE _{Lab}	71.05, 21.39, 60.47
CIE _{LCh}	71, 64.147, 70.520
Yxy	42.2626, 0.4768, 0.4248
Android (android.graphics.Color)	4293696827 (0xFFEC9D3B)
YUV	169.4490, -54.4514, 58.3652
Hunter-Lab	65.0097, 16.4870, 36.5737

Details

The XYZ color **47.4385, 42.2626, 9.7949** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.0319, 25.1618, 82.8411**, and the grayscale version is **38.1702, 40.1580, 43.7321**.

A 20% lighter version of the original color is **67.7081, 69.5168, 25.1787**, and **22.8332, 19.4220, 2.5454** is the 20% darker color. If you saturate the color by 10%, you get **45.2534, 38.6608, 6.6988**, and if you desaturate by 10%, it is **50.0556, 46.2866, 14.3995**.

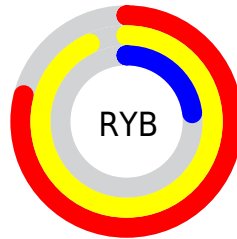
Distribution



Red (93%)

Green (62%)

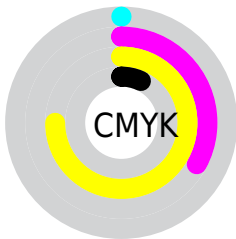
Blue (23%)



Red (79%)

Yellow (93%)

Blue (23%)

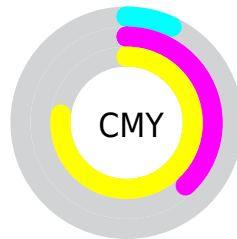


Cyan (0%)

Magenta (33%)

Yellow (75%)

Black (7%)



Cyan (7%)


Magenta (38%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4385, 42.2626, 9.7949 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 47.4385, 42.2626, 9.7949 by changing the saturation by 10% instead.


 47.4385, 42.2626,
9.7949


 47.4385, 42.2626,
9.7949


367.1819,
355.5704, 199.6332

 33.5918, 29.3070,
5.1594


 85.5826, 78.5969,
26.0108

 22.7416, 19.3132,
2.2807


 110.6107,
102.7444, 38.4282


 14.5225, 11.8968,
0.7204


 140.0966,
131.3912, 54.2766

 8.5691, 6.6734,
0.0000

 174.4058,
164.9219, 73.9746

 4.5160, 3.2587,
0.0000

 213.9036,
203.7207, 97.9408

 1.9980, 1.2682,
0.0000

258.9553,

 0.6328, 0.1164,

248.1722, 126.5935

0.0000

309.9263,
298.6606, 160.3515

■ 0.0000, 0.0000,
0.0000

■ 47.4385, 42.2626,
9.7949

■ 47.4385, 42.2626,
9.7949

■ 45.2534, 38.6608,
6.6988

■ 50.0556, 46.2866,
14.3995

■ 43.4530, 35.4507,
4.8940

■ 53.1386, 50.7470,
20.6855


■ 42.6644, 33.9779,
4.3097

■ 56.7205, 55.6644,
28.8046


■ 60.8299, 61.0559,
38.8907

■ 65.4930, 66.9373,
51.0648

 70.7341, 73.3237,
65.4385

 76.5756, 80.2290,
82.1150

 83.0390, 87.6667,
101.1913

 87.3894, 94.5478,
108.2514

Harmonies

Analogous

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



57.9535, 42.2626, 17.3420



47.4385, 42.2626, 9.7949



36.5240, 42.2626, 8.9689

Triad

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



47.4385, 42.2626, 9.7949



23.1279, 42.2626, 57.6520



55.0963, 42.2626, 107.0182

Complementary

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



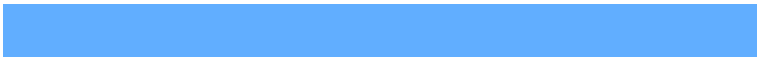
47.4385, 42.2626, 9.7949



26.0319, 25.1618, 82.8411

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.



44.0495, 42.2626, 131.8167



47.4385, 42.2626, 9.7949



26.4556, 42.2626, 95.9811

Square

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



47.4385, 42.2626, 9.7949



23.7091, 42.2626, 29.0124



33.6835, 42.2626, 127.0635



62.8902, 42.2626, 68.6296

Rectangle

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



47.4385, 42.2626, 9.7949



30.5890, 42.2626, 11.6066



33.6835, 42.2626, 127.0635



51.5663, 42.2626, 117.8532

Sweetspot

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



47.4395, 42.2648, 9.7957



79.8237, 81.9518, 65.5831



40.7908, 22.8149, 26.5466



16.7355, 17.1096, 13.0926



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.



47.4395, 42.2648, 9.7957



52.7427, 43.9760, 6.6566



62.5105, 76.6616, 15.6406



15.7570, 16.4371, 15.8609



23.6488, 18.9918, 2.4194



1.9528, 1.6828, 0.2219

Inverse Universe

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



26.0319, 25.1618, 82.8411



26.1727, 22.8519, 97.6391



19.0780, 10.4080, 80.3598



14.7846, 15.6557, 19.1649



11.2734, 9.1937, 44.9234



0.9799, 0.9113, 3.5591

Previews

White Background



This preview shows how the XYZ color 47.4385, 42.2626, 9.7949 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 47.4385, 42.2626, 9.7949 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 47.4385, 42.2626, 9.7949

Background



This preview shows how black text looks on a background with the XYZ color 47.4385, 42.2626, 9.7949.



This preview shows how white text looks on a background with the XYZ color 47.4385, 42.2626,

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

47.4385, 42.2626, 9.7949

Protanopia

38.7611, 42.6322, 11.0364

Deuteranopia

43.2635, 42.4634, 9.6574



Tritanopia

53.2232, 42.2133, 37.6906

Trichromacy



Original Color

47.4385, 42.2626, 9.7949

Protanomaly

41.4505, 42.0547, 10.4901

Deuteranomaly

44.8870, 42.4973, 9.7079

Tritanomaly

50.5146, 42.0636, 23.8690

Monochromacy



Original Color

47.4385, 42.2626, 9.7949

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.4099, 39.8327, 26.3802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4385, 42.2626, 9.7949 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(236, 157, 59)` looks like.

```
.text, #text, p{  
    color:rgb(236, 157, 59)  
}
```

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(236, 157, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 157, 59) }
```

Border

The CSS property to change the border of an element to XYZ 47.4385, 42.2626, 9.7949 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(236, 157, 59) }
```


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

```
.border{ border-color:rgb(236, 157, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 157, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 157, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 157, 59);  
box-shadow:4px 4px 4px 4px rgb(236, 157,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4385, 42.2626, 9.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 157, 59) }
```

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

```
.background{ background-color: rgb(236,  
157, 59) }
```

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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