

Converting Colors

XYZ(42.7669, 37.2490, 7.5205)

Have a look what the booklet for
XYZ(42.7669, 37.2490, 7.5205)
contains.

XYZ(42.7669, 37.2490, 7.5205)	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(42.7669, 37.2490,
7.5205)**

Conversions

Conversions Part 1

Format	Color
Hex	E4922E
RGB	228, 146, 46
RGB Percent	89%, 57%, 18%
CMY	0.1059, 0.4274, 0.8196
CMYK	0.00, 0.36, 0.80, 0.11
HSL	33°, 77%, 54%
HSV	33°, 80%, 89%
XYZ	42.7669, 37.2490, 7.5205
YIQ	159.1180, 80.9720, -13.7160

Conversions

Conversions Part 2

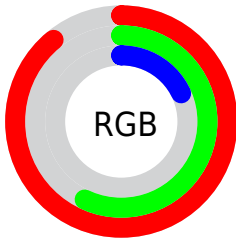
Format	Color
R_{YB}	195, 228, 46
Decimal	14979630
CIE _{Lab}	67.46, 23.39, 61.84
CIE _{LCh}	67, 66.118, 69.286
Yxy	37.2490, 0.4886, 0.4255
Android (android.graphics.Color)	4293169710 (0xFFE4922E)
YUV	159.1180, -55.7672, 60.4095
Hunter-Lab	61.0320, 18.2743, 35.4165

Details

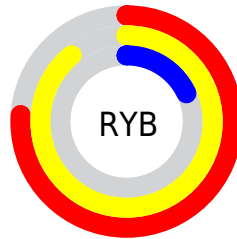
The XYZ color **42.7669, 37.2490, 7.5205** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.8490, 21.6197, 76.3669**, and the grayscale version is **33.2310, 34.9616, 38.0732**.

A 20% lighter version of the original color is **64.1945, 63.4887, 20.9277**, and **20.0286, 16.3999, 2.1099** is the 20% darker color. If you saturate the color by 10%, you get **40.9182, 34.0902, 5.2448**, and if you desaturate by 10%, it is **44.9980, 40.7915, 11.1002**.

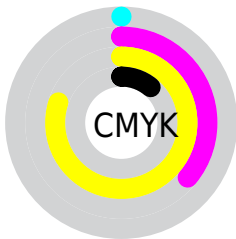
Distribution



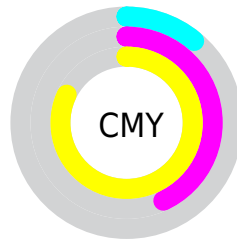
- Red (89%)
- Green (57%)
- Blue (18%)



- Red (76%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (43%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7669, 37.2490, 7.5205 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 42.7669, 37.2490, 7.5205 by changing the saturation by 10% instead.


 42.7669, 37.2490,
7.5205

 42.7669, 37.2490,
7.5205

348.5901,
334.3873, 181.7130

 29.8960, 25.4003,
3.7064


 78.6169, 70.9556,
21.5434

 19.9073, 16.3756,
1.4657


 102.3267, 93.5823,
32.5891

 12.4356, 9.7903,
0.1922


 130.3802,
120.5705, 46.8826

 7.1154, 5.2601,
0.0000

 163.1427,
152.3045, 64.8422

 3.5813, 2.4007,
0.0000

 200.9795,
189.1688, 86.8864

 1.4681, 0.8262,
0.0000

 244.2562,

 0.3040, 0.0000,

231.5478, 113.4340

0.0000

293.3379,
279.8258, 144.9033

■ 0.0000, 0.0000,
0.0000

■ 42.7669, 37.2490,
7.5205

■ 42.7669, 37.2490,
7.5205

■ 40.9182, 34.0902,
5.2448

■ 44.9980, 40.7915,
11.1002

■ 39.3892, 31.2795,
3.9731

■ 47.6456, 44.7325,
16.1576

■ 39.3639, 31.2323,
3.9537

■ 50.7419, 49.0920,
22.8415

■ 54.3148, 53.8863,
31.2818

■ 58.3894, 59.1308,
41.5951

■ 62.9890, 64.8397,
53.8878

■ 68.1349, 71.0265,
68.2584

■ 73.8475, 77.7041,
84.7986

■ 80.1458, 84.8848,
103.5948

Harmonies

Analogous

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



52.7636, 37.2490, 14.4593



42.7669, 37.2490, 7.5205



32.3467, 37.2490, 6.6220

Triad

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



42.7669, 37.2490, 7.5205



19.4226, 37.2490, 50.2641



49.2582, 37.2490, 101.0389

Complementary

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



42.7669, 37.2490, 7.5205



22.8490, 21.6197, 76.3669

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.



38.6482, 37.2490, 124.5276



42.7669, 37.2490, 7.5205



22.3428, 37.2490, 87.2530

Square

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



42.7669, 37.2490, 7.5205



20.1046, 37.2490, 23.8238



28.9388, 37.2490, 118.5399



56.9809, 37.2490, 63.7187

Rectangle

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



42.7669, 37.2490, 7.5205



26.6881, 37.2490, 8.7283



28.9388, 37.2490, 118.5399



45.8369, 37.2490, 111.4663

Sweetspot

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



42.7677, 37.2509, 7.5212



78.5415, 80.3188, 62.2847



37.0641, 20.0850, 23.3729



16.3622, 16.6321, 12.1384



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.



42.7677, 37.2509, 7.5212



51.3775, 41.4455, 5.5848



58.3399, 71.2025, 13.2538



15.0302, 15.6742, 15.1377



22.8504, 18.2750, 2.3231



1.7811, 1.5354, 0.2025

Inverse Universe

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



22.8490, 21.6197, 76.3669



24.9529, 20.8363, 97.3144



16.4004, 8.2876, 74.1334



14.1148, 14.9511, 18.2862



10.9855, 9.0332, 43.5477



0.9035, 0.8509, 3.2486

Previews

White Background



This preview shows how the XYZ color 42.7669, 37.2490, 7.5205 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 42.7669, 37.2490, 7.5205 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 42.7669, 37.2490, 7.5205

Background



This preview shows how black text looks on a background with the XYZ color 42.7669, 37.2490, 7.5205.



This preview shows how white text looks on a background with the XYZ color 42.7669, 37.2490,

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

42.7669, 37.2490, 7.5205

Protanopia

34.0603, 37.4636, 8.5680

Deuteranopia

38.0385, 37.2095, 7.3678



Tritanopia

47.6749, 37.0385, 32.2402

Trichromacy



Original Color

42.7669, 37.2490, 7.5205

Protanomaly

36.8686, 37.0930, 8.1222

Deuteranomaly

39.6886, 37.0780, 7.3504

Tritanomaly

45.1476, 36.8709, 19.4891

Monochromacy



Original Color

42.7669, 37.2490, 7.5205

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.5928, 34.6096, 21.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7669, 37.2490, 7.5205 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(228, 146, 46)` looks like.

```
.text, #text, p{  
    color:rgb(228, 146, 46)  
}
```

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(228, 146, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 146, 46) }
```

Border

The CSS property to change the border of an element to XYZ 42.7669, 37.2490, 7.5205 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(228, 146, 46) }
```


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

```
.border{ border-color:rgb(228, 146, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 146, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 146, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 146, 46);  
box-shadow:4px 4px 4px 4px rgb(228, 146,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7669, 37.2490, 7.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 146, 46) }
```

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

```
.background{ background-color: rgb(228,  
146, 46) }
```

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