

Converting Colors

XYZ(44.7972, 37.5926, 8.6364)

Have a look what the booklet for
XYZ(44.7972, 37.5926, 8.6364)
contains.

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Color

**XYZ(44.7972, 37.5926,
8.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8F38
RGB	235, 143, 56
RGB Percent	92%, 56%, 22%
CMY	0.0784, 0.4392, 0.7804
CMYK	0.00, 0.39, 0.76, 0.08
HSL	29°, 82%, 57%
HSV	29°, 76%, 92%
XYZ	44.7972, 37.5926, 8.6364
YIQ	160.5900, 82.7590, -7.5530

Conversions

Conversions Part 2

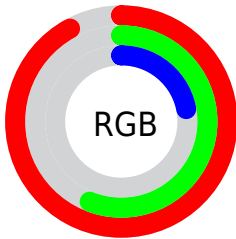
Format	Color
R_{YB}	235, 225, 56
Decimal	15437624
CIE _{Lab}	67.72, 28.25, 58.41
CIE _{LCh}	68, 64.886, 64.188
Yxy	37.5926, 0.4921, 0.4130
Android (android.graphics.Color)	4293627704 (0xFFEB8F38)
YUV	160.5900, -51.5629, 65.2576
Hunter-Lab	61.3128, 23.1207, 34.5675

Details

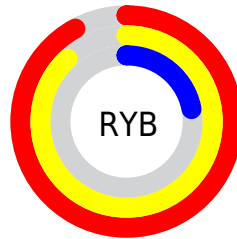
The XYZ color **44.7972, 37.5926, 8.6364** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.2154, 28.0172, 82.5701**, and the grayscale version is **33.8917, 35.6567, 38.8301**.

A 20% lighter version of the original color is **63.9130, 62.2752, 22.8391**, and **21.2827, 16.6530, 2.0926** is the 20% darker color. If you saturate the color by 10%, you get **42.6351, 33.9827, 5.7148**, and if you desaturate by 10%, it is **47.4257, 41.7046, 13.0436**.

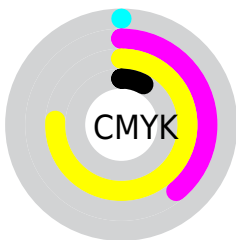
Distribution



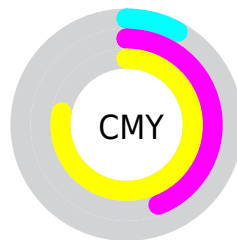
- Red (92%)
- Green (56%)
- Blue (22%)



- Red (92%)
- Yellow (88%)
- Blue (22%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (8%)





- Cyan (8%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7972, 37.5926, 8.6364 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 44.7972, 37.5926, 8.6364 by changing the saturation by 10% instead.


 44.7972, 37.5926,
8.6364


 44.7972, 37.5926,
8.6364


356.7491,
335.8691, 190.7589


 31.4983, 25.6666,
4.4112


 81.6549, 71.4833,
23.7634

 21.1323, 16.5744,
1.8535


 105.9445, 94.2168,
35.5022

 13.3337, 9.9315,
0.4629


 134.6284,
121.3216, 50.5827

 7.7373, 5.3536,
0.0000

 168.0718,
153.1821, 69.4234

 3.9777, 2.4562,
0.0000

 206.6403,
190.1827, 92.4429

 1.6895, 0.8546,
0.0000

 250.6991,

 0.4497, 0.0000,

232.7078, 120.0596

0.0000

300.6136,
281.1418, 152.6921

■ 0.0000, 0.0000,
0.0000

■ 44.7972, 37.5926,
8.6364

■ 44.7972, 37.5926,
8.6364

■ 42.6351, 33.9827,
5.7148

■ 47.4257, 41.7046,
13.0436

■ 40.8892, 30.8402,
4.0562


■ 50.5573, 46.3381,
19.1121


■ 40.3034, 29.7475,
3.6176


■ 54.2272, 51.5175,
26.9949


■ 58.4658, 57.2639,
36.8267

■ 63.3013, 63.5968,
48.7295

 68.7596, 70.5346,
62.8152

 74.8650, 78.0948,
79.1873

 81.6403, 86.2941,
97.9431

 87.0280, 94.3167,
108.2258

Harmonies

Analogous

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



54.1631, 37.5926, 17.0899



44.7972, 37.5926, 8.6364



34.3415, 37.5926, 6.8726

Triad

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



44.7972, 37.5926, 8.6364



19.7492, 37.5926, 45.0967



47.6920, 37.5926, 105.6762

Complementary

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



44.7972, 37.5926, 8.6364



27.2154, 28.0172, 82.5701

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.



37.1567, 37.5926, 124.3534



44.7972, 37.5926, 8.6364



22.0410, 37.5926, 80.4431

Square

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



44.7972, 37.5926, 8.6364



21.0367, 37.5926, 21.2944



27.9782, 37.5926, 113.4453



56.0418, 37.5926, 69.9784

Rectangle

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



44.7972, 37.5926, 8.6364



28.4010, 37.5926, 8.4041



27.9782, 37.5926, 113.4453



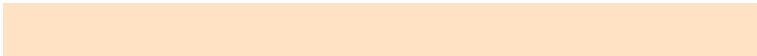
44.2239, 37.5926, 114.7552

Sweetspot

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



44.7981, 37.5946, 8.6371



78.1305, 79.0350, 63.5710



41.0587, 22.6441, 30.4251



16.2350, 16.2896, 12.3680



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.



44.7981, 37.5946, 8.6371



50.1620, 38.8573, 5.6644



63.8357, 75.6698, 14.9830



15.6698, 16.2626, 15.8318



22.5577, 16.8096, 2.0557



1.8673, 1.5119, 0.1934

Inverse Universe

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



27.2154, 28.0172, 82.5701



28.1062, 26.8096, 98.3012



18.1896, 9.9654, 79.5615



14.8714, 15.8292, 19.1938



12.2642, 11.1753, 45.2536



1.0593, 1.0701, 3.5856

Previews

White Background



This preview shows how the XYZ color 44.7972, 37.5926, 8.6364 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 44.7972, 37.5926, 8.6364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

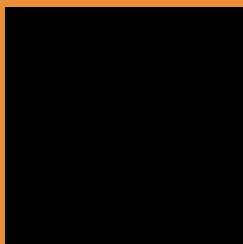
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7972, 37.5926, 8.6364

Background



This preview shows how black text looks on a background with the XYZ color 44.7972, 37.5926, 8.6364.



This preview shows how white text looks on a background with the XYZ color 44.7972, 37.5926,

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

44.7972, 37.5926, 8.6364

Protanopia

34.5133, 37.9345, 10.0605

Deuteranopia

38.3866, 37.6184, 8.3698



Tritanopia

49.4943, 37.5891, 31.0323

Trichromacy



Original Color

44.7972, 37.5926, 8.6364

Protanomaly

37.6711, 37.4765, 9.5232

Deuteranomaly

40.4861, 37.4652, 8.4658

Tritanomaly

47.1302, 37.2383, 20.0329

Monochromacy



Original Color

44.7972, 37.5926, 8.6364

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.8698, 35.2326, 23.6489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7972, 37.5926, 8.6364 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(235, 143, 56)` looks like.

```
.text, #text, p{  
    color:rgb(235, 143, 56)  
}
```

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(235, 143, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 143, 56) }
```

Border

The CSS property to change the border of an element to XYZ 44.7972, 37.5926, 8.6364 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(235, 143, 56) }
```


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

```
.border{ border-color:rgb(235, 143, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 143, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 143, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 143, 56);  
box-shadow:4px 4px 4px 4px rgb(235, 143,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7972, 37.5926, 8.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 143, 56) }
```

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

```
.background{ background-color: rgb(235,  
143, 56) }
```

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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