

Converting Colors

XYZ(44.7295, 41.4266, 12.6256)

Have a look what the booklet for
XYZ(44.7295, 41.4266, 12.6256)
contains.

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Color

**XYZ(44.7890, 41.3396,
12.6399)**

Conversions

Conversions Part 1

Format	Color
Hex	E19F4D
RGB	225, 159, 77
RGB Percent	88%, 62%, 30%
CMY	0.1176, 0.3764, 0.6980
CMYK	0.00, 0.29, 0.66, 0.12
HSL	33°, 71%, 59%
HSV	33°, 66%, 88%
XYZ	44.7890, 41.3396, 12.6399
YIQ	169.3860, 65.6580, -11.5100

Conversions

Conversions Part 2

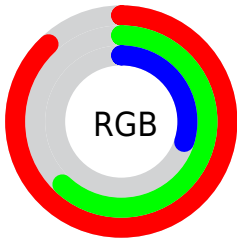
Format	Color
RYB	196, 225, 77
Decimal	14786381
CIELab	70.41, 16.62, 51.42
CIELCh	70, 54.042, 72.092
Yxy	41.3396, 0.4535, 0.4186
Android (android.graphics.Color)	4292976461 (0xFFE19F4D)
YUV	169.3860, -45.5463, 48.7735
Hunter-Lab	64.2959, 11.8267, 33.3513

Details

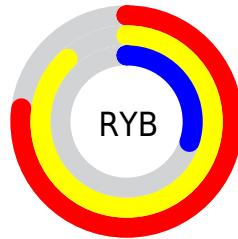
The XYZ color **44.7890, 41.3396, 12.6399** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.4731, 26.6578, 74.9839**, and the grayscale version is **38.1003, 40.0845, 43.6520**.

A 20% lighter version of the original color is **69.2490, 70.9381, 30.8115**, and **21.2639, 18.9023, 3.4475** is the 20% darker color. If you saturate the color by 10%, you get **42.4721, 37.7649, 8.6031**, and if you desaturate by 10%, it is **47.5226, 45.3084, 18.1714**.

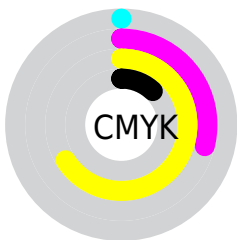
Distribution



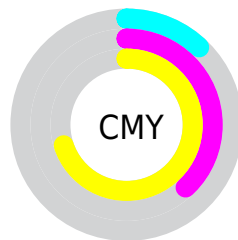
- Red (88%)
- Green (62%)
- Blue (30%)



- Red (77%)
- Yellow (88%)
- Blue (30%)



- Cyan (0%)
- Magenta (29%)
- Yellow (66%)
- Black (12%)



- Cyan (12%)
- Magenta (38%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7890, 41.3396, 12.6399 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 44.7890, 41.3396, 12.6399 by changing the saturation by 10% instead.

44.7890, 41.3396,
12.6399

44.7890, 41.3396,
12.6399

356.7164,
351.7380, 219.7229

31.4918, 28.5845,
7.0533

81.6427, 77.1992,
31.3370

21.1273, 18.7668,
3.4165

105.9300,
101.0724, 45.2845

13.3301, 11.5019,
1.3110

134.6113,
129.4206, 62.8560

7.7348, 6.4055,
0.0708

168.0520,
162.6280, 84.4701

3.9761, 3.0932,
0.0000

206.6176,
201.0790, 110.5453

1.6886, 1.1806,
0.0000

250.6732,

0.4491, 0.0457,

245.1581, 141.5001

0.0000

300.5844,
295.2496, 177.7532

■ 0.0000, 0.0000,
0.0000

■ 44.7890, 41.3396,
12.6399

■ 44.7890, 41.3396,
12.6399

■ 42.4721, 37.7649,
8.6031

■ 47.5226, 45.3084,
18.1714

■ 40.5358, 34.5597,
5.9009

■ 50.6987, 49.6817,
25.3305

■ 38.9412, 31.7044,
4.3400

■ 54.3438, 54.4768,
34.2381

■ 38.3430, 30.5912,
3.8838

■ 58.4816, 59.7079,
45.0028

■ 63.1335, 65.3882,
57.7241

■ 68.3198, 71.5304,
72.4947

■ 74.0595, 78.1466,
89.4010

■ 80.0467, 85.1185,
106.8183

■ 83.0704, 91.1660,
107.8263

Harmonies

Analogous

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



53.3989, 41.3396, 19.5148



44.7890, 41.3396, 12.6399



35.8171, 41.3396, 12.0963

Triad

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



44.7890, 41.3396, 12.6399



24.8291, 41.3396, 56.0721



51.9076, 41.3396, 92.0203

Complementary

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



44.7890, 41.3396, 12.6399



26.4731, 26.6578, 74.9839

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.



42.9848, 41.3396, 111.9014



44.7890, 41.3396, 12.6399



27.9181, 41.3396, 86.4753

Square

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



44.7890, 41.3396, 12.6399



25.1613, 41.3396, 31.5682



34.2643, 41.3396, 109.5576



57.9165, 41.3396, 61.8150

Rectangle

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



44.7890, 41.3396, 12.6399



30.8881, 41.3396, 14.9610



34.2643, 41.3396, 109.5576



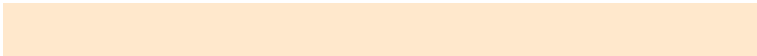
49.0969, 41.3396, 100.5663

Sweetspot

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



44.7900, 41.3417, 12.6407



81.0685, 83.4785, 68.9669



38.7088, 23.3170, 28.6864



16.9811, 17.4137, 13.7510



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.



44.7900, 41.3417, 12.6407



55.3814, 48.4943, 9.8763



57.0585, 69.2297, 17.3770



14.3338, 14.9536, 14.4376



22.2135, 17.8649, 2.2775



1.6287, 1.4162, 0.1875

Inverse Universe

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



26.4731, 26.6578, 74.9839



29.4267, 27.7507, 98.4132



19.9368, 12.6477, 72.6242



13.4527, 14.2444, 17.4281



10.5886, 8.6467, 42.1593



0.8222, 0.7759, 2.9517

Previews

White Background



This preview shows how the XYZ color 44.7890, 41.3396, 12.6399 looks on a white background.

Color Contrast Check

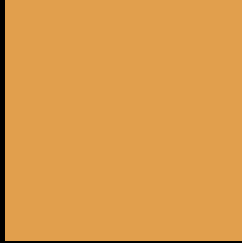
Large Text (above 18pt) WCAG AA × Fail

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 44.7890, 41.3396, 12.6399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

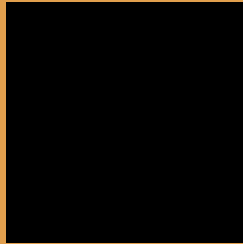
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7890, 41.3396, 12.6399

Background



This preview shows how black text looks on a background with the XYZ color 44.7890, 41.3396, 12.6399.



This preview shows how white text looks on a background with the XYZ color 44.7890, 41.3396,

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

44.7890, 41.3396, 12.6399

Protanopia

37.9146, 41.5576, 13.8077

Deuteranopia

42.3115, 41.3689, 12.5924



Tritanopia

50.2944, 41.3748, 39.0536

Trichromacy



Original Color

44.7890, 41.3396, 12.6399

Protanomaly

40.0792, 41.2810, 13.4450

Deuteranomaly

43.1383, 41.2679, 12.5293

Tritanomaly

47.7336, 41.0522, 26.5271

Monochromacy



Original Color

44.7890, 41.3396, 12.6399

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.8853, 39.5067, 28.8686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7890, 41.3396, 12.6399 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(225, 159, 77)` looks like.

```
.text, #text, p{  
    color:rgb(225, 159, 77)  
}
```

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(225, 159, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 159, 77) }
```

Border

The CSS property to change the border of an element to XYZ 44.7890, 41.3396, 12.6399 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(225, 159, 77) }
```


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

```
.border{ border-color:rgb(225, 159, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 159, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 159, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 159, 77);  
box-shadow:4px 4px 4px 4px rgb(225, 159,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7890, 41.3396, 12.6399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 159, 77) }
```

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

```
.background{ background-color: rgb(225,  
159, 77) }
```

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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