

Converting Colors

XYZ(42.1910, 36.5996, 12.2504)

Have a look what the booklet for
XYZ(42.1910, 36.5996, 12.2504)
contains.

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Color

**XYZ(42.2772, 36.6626,
12.2455)**

Conversions

Conversions Part 1

Format	Color
Hex	E0914F
RGB	224, 145, 79
RGB Percent	88%, 57%, 31%
CMY	0.1216, 0.4313, 0.6902
CMYK	0.00, 0.35, 0.65, 0.12
HSL	27°, 70%, 59%
HSV	27°, 65%, 88%
XYZ	42.2772, 36.6626, 12.2455
YIQ	161.0970, 68.2700, -3.7780

Conversions

Conversions Part 2

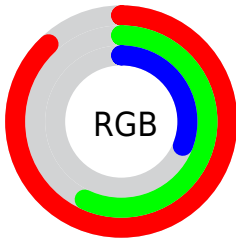
Format	Color
R_{YB}	224, 200, 79
Decimal	14717263
CIE Lab	67.02, 23.82, 46.60
CIE LCh	67, 52.337, 62.932
Yxy	36.6626, 0.4636, 0.4021
Android (android.graphics.Color)	4292907343 (0xFFE0914F)
YUV	161.0970, -40.4738, 55.1659
Hunter-Lab	60.5496, 18.6710, 30.3940

Details

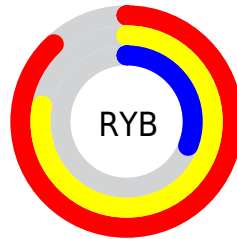
The XYZ color **42.2772, 36.6626, 12.2455** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **28.9052, 31.4963, 75.0767**, and the grayscale version is **34.0823, 35.8573, 39.0486**.

A 20% lighter version of the original color is **65.6927, 63.7186, 29.9556**, and **19.5343, 15.9866, 3.2186** is the 20% darker color. If you saturate the color by 10%, you get **39.8295, 32.8598, 8.0624**, and if you desaturate by 10%, it is **45.2015, 40.9796, 17.9429**.

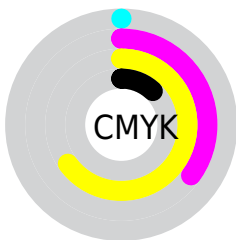
Distribution



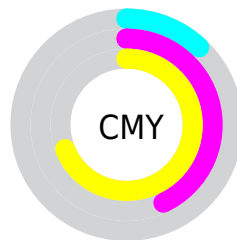
- Red (88%)
- Green (57%)
- Blue (31%)



- Red (88%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (12%)



- Cyan (12%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2772, 36.6626, 12.2455 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 42.2772, 36.6626, 12.2455 by changing the saturation by 10% instead.

42.2772, 36.6626,
12.2455

42.2772, 36.6626,
12.2455

346.6029,
331.8475, 217.0591

29.5105, 24.9464,
6.7865

77.8815, 70.0536,
30.6125

19.6135, 16.0371,
3.2525

101.4498, 92.4971,
44.3576

12.2211, 9.5504,
1.2250

129.3493,
119.2851, 61.7019

6.9677, 5.1019,
0.0000

161.9454,
150.8021, 83.0638

3.4880, 2.3072,
0.0000

199.6035,
187.4325, 108.8620

1.4168, 0.7775,
0.0000

242.6888,

0.2681, 0.0000,

229.5605, 139.5149

0.0000

291.5669,
277.5707, 175.4411

■ 0.0000, 0.0000,
0.0000

■ 42.2772, 36.6626,
12.2455

■ 42.2772, 36.6626,
12.2455

■ 39.8295, 32.8598,
8.0624

■ 45.2015, 40.9796,
17.9429

■ 37.8208, 29.5415,
5.2374

■ 48.6308, 45.8272,
25.2856

■ 36.2100, 26.6822,
3.5832

■ 52.5938, 51.2277,
34.3925

■ 35.4884, 25.3434,
3.0213

■ 57.1161, 57.2001,
45.3709

■ 62.2213, 63.7625,
58.3193

■ 67.9317, 70.9319,
73.3294

■ 74.2683, 78.7248,
90.4870

■ 80.7311, 86.9488,
107.1355

■ 84.4981, 94.4826,
108.3912

Harmonies

Analogous

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



49.3187, 36.6626, 20.5330



42.2772, 36.6626, 12.2455



34.0705, 36.6626, 10.2141

Triad

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



42.2772, 36.6626, 12.2455



21.6993, 36.6626, 42.2013



43.8369, 36.6626, 89.1018

Complementary

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



42.2772, 36.6626, 12.2455



28.9052, 31.4963, 75.0767

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.



35.6347, 36.6626, 101.5600



42.2772, 36.6626, 12.2455



23.5251, 36.6626, 68.7689

Square

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



42.2772, 36.6626, 12.2455



22.9283, 36.6626, 23.1256



28.3422, 36.6626, 92.9823



50.3111, 36.6626, 63.3432

Rectangle

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



42.2772, 36.6626, 12.2455



29.2225, 36.6626, 11.6481



28.3422, 36.6626, 92.9823



41.1499, 36.6626, 95.3487

Sweetspot

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



42.2781, 36.6645, 12.2462



80.3576, 81.5632, 70.2514



39.7729, 23.9341, 35.2111



16.7817, 16.9192, 13.9799



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.



42.2781, 36.6645, 12.2462



52.3342, 42.3024, 9.1611



56.9001, 65.9086, 17.1202



14.2186, 14.7232, 14.3992



20.7687, 14.9754, 1.7959



1.5282, 1.2153, 0.1540

Inverse Universe

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



28.9052, 31.4963, 75.0767



33.0442, 34.7792, 99.5792



20.0271, 13.7400, 72.1173



13.5677, 14.4746, 17.4665



12.0013, 11.4721, 42.6302



0.9210, 0.9736, 2.9846

Previews

White Background



This preview shows how the XYZ color 42.2772, 36.6626, 12.2455 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 42.2772, 36.6626, 12.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

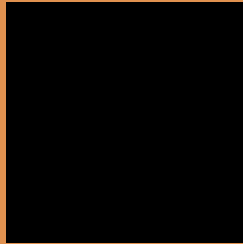
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2772, 36.6626, 12.2455

Background



This preview shows how black text looks on a background with the XYZ color 42.2772, 36.6626, 12.2455.



This preview shows how white text looks on a background with the XYZ color 42.2772, 36.6626,

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

42.2772, 36.6626, 12.2455

Protanopia

33.7375, 36.9101, 13.9405

Deuteranopia

37.5501, 36.8553, 11.9722



Tritanopia

46.5252, 36.6559, 32.2269

Trichromacy



Original Color

42.2772, 36.6626, 12.2455

Protanomaly

36.3833, 36.4742, 13.3062

Deuteranomaly

39.1461, 36.6939, 12.0406

Tritanomaly

44.5695, 36.4922, 23.1070

Monochromacy



Original Color

42.2772, 36.6626, 12.2455

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.5852, 35.2717, 26.4053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2772, 36.6626, 12.2455 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(224, 145, 79)` looks like.

```
.text, #text, p{  
    color:rgb(224, 145, 79)  
}
```

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(224, 145, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 145, 79) }
```

Border

The CSS property to change the border of an element to XYZ 42.2772, 36.6626, 12.2455 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(224, 145, 79) }
```


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

```
.border{ border-color:rgb(224, 145, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 145, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 145, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 145, 79);  
box-shadow:4px 4px 4px 4px rgb(224, 145,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2772, 36.6626, 12.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 145, 79) }
```

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

```
.background{ background-color: rgb(224,  
145, 79) }
```

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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