

Converting Colors

XYZ(42.8275, 37.8780, 12.0751)

Have a look what the booklet for
XYZ(42.8275, 37.8780, 12.0751)
contains.

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Color

**XYZ(42.8275, 37.8780,
12.0751)**

Conversions

Conversions Part 1

Format	Color
Hex	E0954D
RGB	224, 149, 77
RGB Percent	88%, 58%, 30%
CMY	0.1216, 0.4157, 0.6980
CMYK	0.00, 0.33, 0.66, 0.12
HSL	29°, 70%, 59%
HSV	29°, 66%, 88%
XYZ	42.8275, 37.8780, 12.0751
YIQ	163.2170, 67.8120, -6.4920

Conversions

Conversions Part 2

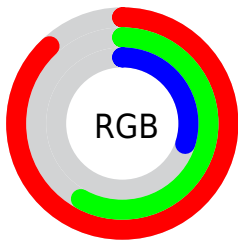
Format	Color
RYB	224, 218, 77
Decimal	14718285
CIELab	67.93, 21.55, 48.62
CIELCh	68, 53.182, 66.092
Yxy	37.8780, 0.4616, 0.4083
Android (android.graphics.Color)	4292908365 (0xFFE0954D)
YUV	163.2170, -42.5050, 53.3067
Hunter-Lab	61.5451, 16.5092, 31.4489

Details

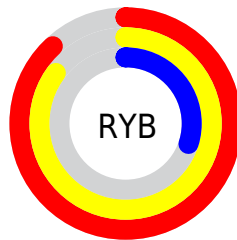
The XYZ color **42.8275, 37.8780, 12.0751** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **27.7427, 29.4147, 74.7361**, and the grayscale version is **35.0884, 36.9158, 40.2013**.

A 20% lighter version of the original color is **66.4922, 65.5304, 29.5662**, and **19.8640, 16.7025, 3.1542** is the 20% darker color. If you saturate the color by 10%, you get **40.4485, 34.1755, 8.0293**, and if you desaturate by 10%, it is **45.6579, 42.0481, 17.6151**.

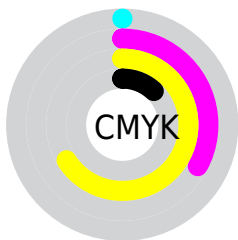
Distribution



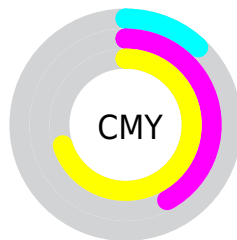
- Red (88%)
- Green (58%)
- Blue (30%)



- Red (88%)
- Yellow (85%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (66%)
- Black (12%)





- Cyan (12%)
- Magenta (42%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8275, 37.8780, 12.0751 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 42.8275, 37.8780, 12.0751 by changing the saturation by 10% instead.


 42.8275, 37.8780,
12.0751


 42.8275, 37.8780,
12.0751


348.8354,
337.0963, 215.8974

 29.9437, 25.8880,
6.6717


 78.7078, 71.9211,
30.2983


 19.9437, 16.7399,
3.1823


 102.4351, 94.7430,
43.9551


 12.4622, 10.0492,
1.1885


 130.5076,
121.9444, 61.2001

 7.1337, 5.4316,
0.0000

 163.2906,
153.9095, 82.4519

 3.5929, 2.5027,
0.0000

 201.1495,
191.0229, 108.1290

 1.4745, 0.8780,
0.0000

244.4497,

 0.3084, 0.0000,

233.6689, 138.6499

0.0000

293.5566,
282.2319, 174.4332

■ 0.0000, 0.0000,
0.0000

■ 42.8275, 37.8780,
12.0751

■ 42.8275, 37.8780,
12.0751

■ 40.4485, 34.1755,
8.0293

■ 45.6579, 42.0481,
17.6151

■ 38.4839, 30.9129,
5.3194

■ 48.9671, 46.6999,
24.7812

■ 36.8932, 28.0671,
3.7545

■ 52.7831, 51.8535,
33.6933

■ 36.2863, 26.9392,
3.2873

■ 57.1304, 57.5261,
44.4591

■ 62.0320, 63.7338,
57.1776

■ 67.5094, 70.4920,
71.9406

■ 73.5825, 77.8151,
88.8343

■ 80.0766, 85.6397,
106.9174

■ 83.5555, 92.5975,
108.0770

Harmonies

Analogous

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



50.4165, 37.8780, 19.8367



42.8275, 37.8780, 12.0751



34.3431, 37.8780, 10.5383

Triad

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



42.8275, 37.8780, 12.0751



22.4095, 37.8780, 46.2591



46.1884, 37.8780, 89.9797

Complementary

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



42.8275, 37.8780, 12.0751



27.7427, 29.4147, 74.7361

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.



37.7133, 37.8780, 104.9937



42.8275, 37.8780, 12.0751



24.6356, 37.8780, 74.2471

Square

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



42.8275, 37.8780, 12.0751



23.3501, 37.8780, 25.4229



29.9430, 37.8780, 98.3438



52.5551, 37.8780, 62.5520

Rectangle

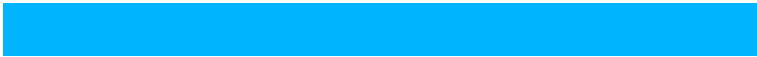
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.8275, 37.8780, 12.0751



29.4606, 37.8780, 12.4010



29.9430, 37.8780, 98.3438



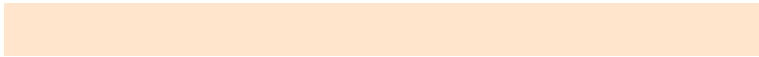
43.4462, 37.8780, 97.0422

Sweetspot

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



42.8284, 37.8799, 12.0758



80.1533, 81.6480, 68.6618



39.1401, 23.4535, 32.5798



16.7620, 16.9755, 13.6780



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.



42.8284, 37.8799, 12.0758



53.1604, 44.0523, 9.1360



58.0818, 68.3867, 17.1603



14.2588, 14.8035, 14.4126



21.2358, 15.9096, 1.9516



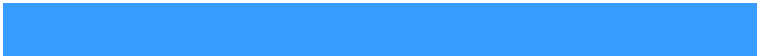
1.5614, 1.2817, 0.1651

Inverse Universe

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



27.7427, 29.4147, 74.7361



31.4901, 31.8775, 99.1010



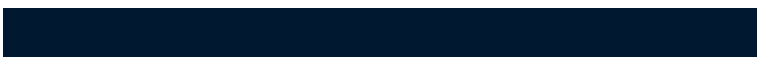
19.3439, 12.6171, 71.9365



13.5273, 14.3936, 17.4530



11.4678, 10.4052, 42.4523



0.8845, 0.9004, 2.9724

Previews

White Background



This preview shows how the XYZ color 42.8275, 37.8780, 12.0751 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 42.8275, 37.8780, 12.0751 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 42.8275, 37.8780, 12.0751

Background



This preview shows how black text looks on a background with the XYZ color 42.8275, 37.8780, 12.0751.



This preview shows how white text looks on a background with the XYZ color 42.8275, 37.8780,

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

42.8275, 37.8780, 12.0751

Protanopia

34.6876, 37.9489, 13.4793

Deuteranopia

38.6737, 37.9409, 11.9416



Tritanopia

47.4239, 37.9421, 34.1022

Trichromacy



Original Color

42.8275, 37.8780, 12.0751

Protanomaly

37.3075, 37.7266, 12.9051

Deuteranomaly

40.1772, 37.9615, 12.0472

Tritanomaly

45.2899, 37.7326, 23.9649

Monochromacy



Original Color

42.8275, 37.8780, 12.0751

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.3993, 36.4340, 26.9438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8275, 37.8780, 12.0751 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, 149, 77)` looks like.

```
.text, #text, p{  
    color:rgb(224, 149, 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(224, 149, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 149, 77) }
```

Border

The CSS property to change the border of an element to XYZ 42.8275, 37.8780, 12.0751 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, 149, 77) }
```


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

```
.border{ border-color:rgb(224, 149, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 149, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 149, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 149, 77);  
box-shadow:4px 4px 4px 4px rgb(224, 149,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8275, 37.8780, 12.0751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 149, 77) }
```

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

```
.background{ background-color: rgb(224,  
149, 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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