

Converting Colors

XYZ(40.2873, 28.7692, 16.0000)

Have a look what the booklet for
XYZ(40.2873, 28.7692, 16.0000)
contains.

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Color

**XYZ(40.2873, 28.7692,
16.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	E56E66
RGB	229, 110, 102
RGB Percent	90%, 43%, 40%
CMY	0.1020, 0.5686, 0.6000
CMYK	0.00, 0.52, 0.55, 0.10
HSL	4°, 71%, 65%
HSV	4°, 55%, 90%
XYZ	40.2873, 28.7692, 16.0000
YIQ	144.6690, 73.4920, 22.7400

Conversions

Conversions Part 2

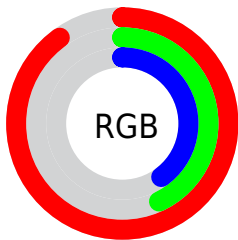
Format	Color
R_{YB}	229, 111, 102
Decimal	15036006
CIE _{Lab}	60.58, 45.51, 26.49
CIE _{LCh}	61, 52.662, 30.200
Yxy	28.7692, 0.4737, 0.3382
Android (android.graphics.Color)	4293226086 (0xFFE56E66)
YUV	144.6690, -21.0358, 73.9583
Hunter-Lab	53.6369, 40.2087, 19.8595

Details

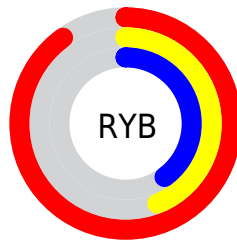
The XYZ color **40.2873, 28.7692, 16.0000** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **45.4770, 60.1911, 83.3496**, and the grayscale version is **26.8420, 28.2399, 30.7532**.

A 20% lighter version of the original color is **60.2652, 50.1108, 36.6330**, and **18.5149, 11.6371, 4.8848** is the 20% darker color. If you saturate the color by 10%, you get **37.2631, 24.2942, 10.1417**, and if you desaturate by 10%, it is **44.1870, 34.4935, 23.6979**.

Distribution



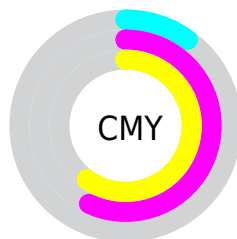
- Red (90%)
- Green (43%)
- Blue (40%)



- Red (90%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (52%)
- Yellow (55%)
- Black (10%)




- Cyan (10%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2873, 28.7692, 16.0000 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 40.2873, 28.7692, 16.0000 by changing the saturation by 10% instead.


 40.2873, 28.7692,
16.0000


 40.2873, 28.7692,
16.0000


338.4467,
296.1244, 241.1874


 27.9478, 18.9063,
9.3698


 74.8824, 57.7102,
37.3650

 18.4266, 11.6026,
4.8831


 97.8687, 77.5571,
52.9369

 11.3582, 6.4737,
2.1213


 125.1346,
101.5007, 72.3264

 6.3774, 3.1352,
0.6284

 157.0456,
129.9255, 95.9521

 3.1187, 1.2027,
0.0000

193.9669,
163.2159, 124.2325

 1.2168, 0.0639,
0.0000

236.2640,

 0.1196, 0.0000,

201.7563, 157.5862

0.0000

284.3021,
245.9310, 196.4316

■ 0.0000, 0.0000,
0.0000

■ 40.2873, 28.7692,
16.0000

■ 40.2873, 28.7692,
16.0000

■ 37.2631, 24.2942,
10.1417

■ 44.1870, 34.4935,
23.6979

■ 35.0445, 20.9710,
5.9680

■ 49.0206, 41.5460,
33.3699

■ 33.5546, 18.6953,
3.3011

■ 54.8440, 50.0045,
45.1399

■ 32.7003, 17.3416,
1.9225

■ 61.7079, 59.9394,
59.1212

■ 32.4759, 16.9839,
1.5665

■ 69.6598, 71.4164,
75.4189

■ 78.7441, 84.4974,
94.1314

■ 86.1229, 95.3979,
108.4822

Harmonies

Analogous

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



42.6313, 28.7692, 31.1940



40.2873, 28.7692, 16.0000



34.3780, 28.7692, 8.7575

Triad

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



40.2873, 28.7692, 16.0000



17.4868, 28.7692, 16.1453



27.3900, 28.7692, 85.7456

Complementary

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



40.2873, 28.7692, 16.0000



45.4770, 60.1911, 83.3496

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.



21.3420, 28.7692, 76.4081



40.2873, 28.7692, 16.0000



16.2334, 28.7692, 31.4559

Square

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



40.2873, 28.7692, 16.0000



21.2750, 28.7692, 8.8136



17.5208, 28.7692, 54.2154



34.4703, 28.7692, 76.1712

Rectangle

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



40.2873, 28.7692, 16.0000



29.6330, 28.7692, 7.0042



17.5208, 28.7692, 54.2154



25.1765, 28.7692, 84.6802

Sweetspot

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



40.2880, 28.7707, 16.0005



77.2232, 74.2830, 72.3241



50.3365, 31.4697, 72.9858



16.1362, 15.3316, 14.6792



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.



40.2880, 28.7707, 16.0005



46.9312, 30.0727, 11.7494



49.4353, 47.0653, 19.0496



14.4496, 14.5130, 14.9442



18.5976, 9.7694, 0.9055



1.4001, 0.7736, 0.0755

Inverse Universe

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



45.4770, 60.1911, 83.3496



54.1392, 73.9509, 106.0283



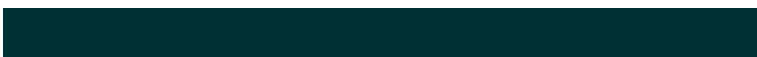
32.0464, 33.3299, 78.8727



14.7256, 16.1725, 18.4898



21.9501, 30.9623, 47.2026



1.6457, 2.3354, 3.4960

Previews

White Background



This preview shows how the XYZ color 40.2873, 28.7692, 16.0000 looks on a white background.

Color Contrast Check

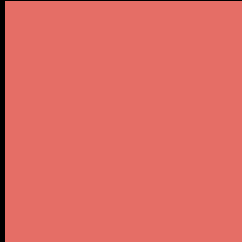
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2873, 28.7692, 16.0000 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 × Fail

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

XYZ 40.2873, 28.7692, 16.0000

Background



This preview shows how black text looks on a background with the XYZ color 40.2873, 28.7692, 16.0000.



This preview shows how white text looks on a background with the XYZ color 40.2873, 28.7692,

16.0000.

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

40.2873, 28.7692, 16.0000

Protanopia

27.2592, 28.9337, 21.2876

Deuteranopia

29.4402, 28.8493, 15.3261



Tritanopia

41.0902, 28.7859, 19.6102

Trichromacy



Original Color

40.2873, 28.7692, 16.0000

Protanomaly

30.8406, 28.0122, 19.1107

Deuteranomaly

32.6081, 28.2035, 15.5296

Tritanomaly

40.9162, 28.8861, 18.1709

Monochromacy



Original Color

40.2873, 28.7692, 16.0000

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

30.1182, 27.3176, 24.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2873, 28.7692, 16.0000 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(229, 110, 102)` looks like.

```
.text, #text, p{  
    color:rgb(229, 110, 102)  
}
```

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(229, 110, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 110, 102) }
```

Border

The CSS property to change the border of an element to XYZ 40.2873, 28.7692, 16.0000 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(229, 110, 102) }
```


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

```
.border{ border-color:rgb(229, 110, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 110, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 110, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 110, 102);  
box-shadow:4px 4px 4px 4px rgb(229, 110,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2873, 28.7692, 16.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 110, 102) }
```

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

```
.background{ background-color: rgb(229,  
110, 102) }
```

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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