

Converting Colors

XYZ(41.3203, 29.5995, 16.9204)

Have a look what the booklet for
XYZ(41.3203, 29.5995, 16.9204)
contains.

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Color

**XYZ(41.2990, 29.5972,
16.9007)**

Conversions

Conversions Part 1

Format	Color
Hex	E77069
RGB	231, 112, 105
RGB Percent	91%, 44%, 41%
CMY	0.0941, 0.5608, 0.5882
CMYK	0.00, 0.52, 0.55, 0.09
HSL	3°, 72%, 66%
HSV	3°, 55%, 91%
XYZ	41.2990, 29.5972, 16.9007
YIQ	146.7830, 73.1710, 23.0510

Conversions

Conversions Part 2

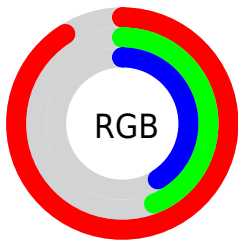
Format	Color
R _Y B	231, 112, 105
Decimal	15167593
CIE Lab	61.31, 45.50, 25.80
CIE LCh	61, 52.302, 29.557
Yxy	29.5972, 0.4704, 0.3371
Android (android.graphics.Color)	4293357673 (0xFFE77069)
YUV	146.7830, -20.5990, 73.8583
Hunter-Lab	54.4033, 40.2983, 19.6635

Details

The XYZ color **41.2990, 29.5972, 16.9007** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **46.9034, 62.0805, 85.1117**, and the grayscale version is **27.7057, 29.1485, 31.7427**.

A 20% lighter version of the original color is **60.8770, 50.9327, 38.0749**, and **19.1223, 12.0913, 5.3290** is the 20% darker color. If you saturate the color by 10%, you get **38.1465, 24.9413, 10.7665**, and if you desaturate by 10%, it is **45.3584, 35.5513, 24.9283**.

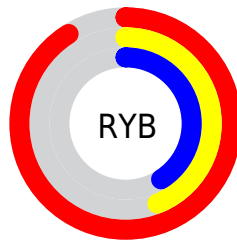
Distribution



Red (91%)

Green (44%)

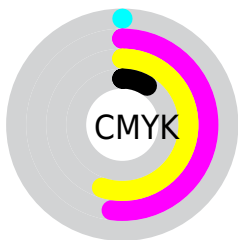
Blue (41%)



Red (91%)

Yellow (44%)

Blue (41%)

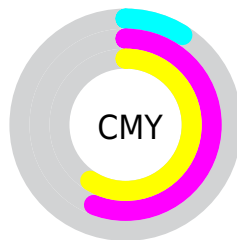


Cyan (0%)

Magenta (52%)

Yellow (55%)

Black (9%)



Cyan (9%)


Magenta (56%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2990, 29.5972, 16.9007 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 41.2990, 29.5972, 16.9007 by changing the saturation by 10% instead.


 41.2990, 29.5972,
16.9007


 41.2990, 29.5972,
16.9007


342.6100,
300.0224, 246.6240

 28.7415, 19.5331,
10.0025


 76.4094, 59.0246,
38.9433

 19.0286, 12.0561,
5.2950


 99.6930, 79.1566,
54.9247

 11.7951, 6.7819,
2.3596


 127.2828,
103.4134, 74.7710

 6.6755, 3.3261,
0.7643

 159.5439,
132.1793, 98.9007

 3.3045, 1.3042,
0.0000

196.8419,
165.8388, 127.7323

 1.3168, 0.1445,
0.0000

239.5419,

 0.1957, 0.0000,

204.7762, 161.6844

0.0000

288.0095,
249.3759, 201.1754

■ 0.0000, 0.0000,
0.0000

■ 41.2990, 29.5972,
16.9007

■ 41.2990, 29.5972,
16.9007

■ 38.1465, 24.9413,
10.7665

■ 45.3584, 35.5513,
24.9283

■ 35.8291, 21.4825,
6.3688

■ 50.3850, 42.8855,
34.9859

■ 34.2678, 19.1125,
3.5282

■ 56.4361, 51.6804,
47.1991

■ 33.3672, 17.7013,
2.0255

■ 63.5643, 62.0093,
61.6832

■ 33.0969, 17.2728,
1.5896

■ 71.8184, 73.9403,
78.5450

■ 81.2441, 87.5376,
97.8848

■ 86.7649, 95.7289,
108.5123

Harmonies

Analogous

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



43.5655, 29.5972, 32.5203



41.2990, 29.5972, 16.9007



35.3910, 29.5972, 9.3363

Triad

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



41.2990, 29.5972, 16.9007



18.1865, 29.5972, 16.5727



28.0290, 29.5972, 86.9963

Complementary

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



41.2990, 29.5972, 16.9007



46.9034, 62.0805, 85.1117

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.



21.9391, 29.5972, 77.2470



41.2990, 29.5972, 16.9007



16.8552, 29.5972, 31.9342

Square

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



41.2990, 29.5972, 16.9007



22.0896, 29.5972, 9.2085



18.1101, 29.5972, 54.7972



35.1848, 29.5972, 77.7731

Rectangle

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



41.2990, 29.5972, 16.9007



30.6012, 29.5972, 7.4629



18.1101, 29.5972, 54.7972



25.7979, 29.5972, 85.7859

Sweetspot

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



41.2997, 29.5988, 16.9012



78.0793, 75.4776, 74.2057



51.5562, 32.5121, 74.5777



16.3022, 15.5617, 15.0489



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.



41.2997, 29.5988, 16.9012



47.4652, 30.8085, 12.9513



50.6989, 48.3970, 20.0343



14.4410, 14.4959, 14.9413



18.5828, 9.7397, 0.9005



1.3960, 0.7654, 0.0742

Inverse Universe

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



46.9034, 62.0805, 85.1117



55.0837, 75.1358, 106.2072



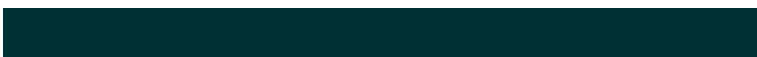
33.1172, 34.5080, 80.5163



14.7352, 16.1918, 18.4930



22.1950, 31.4522, 47.2842



1.6612, 2.3664, 3.5012

Previews

White Background



This preview shows how the XYZ color 41.2990, 29.5972, 16.9007 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 41.2990, 29.5972, 16.9007 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 41.2990, 29.5972, 16.9007

Background



This preview shows how black text looks on a background with the XYZ color 41.2990, 29.5972, 16.9007.



This preview shows how white text looks on a background with the XYZ color 41.2990, 29.5972,

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

41.2990, 29.5972, 16.9007

Protanopia

27.9457, 29.7284, 22.3544

Deuteranopia

30.3333, 29.7311, 16.1965



Tritanopia

42.1247, 29.6157, 20.6357

Trichromacy



Original Color

41.2990, 29.5972, 16.9007

Protanomaly

31.5256, 28.7561, 20.1086

Deuteranomaly

33.5405, 29.0622, 16.4122

Tritanomaly

41.9438, 29.7169, 19.1480

Monochromacy



Original Color

41.2990, 29.5972, 16.9007

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.0501, 28.1811, 25.6328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2990, 29.5972, 16.9007 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(231, 112, 105)` looks like.

```
.text, #text, p{  
    color:rgb(231, 112, 105)  
}
```

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(231, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 112, 105) }
```

Border

The CSS property to change the border of an element to XYZ 41.2990, 29.5972, 16.9007 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(231, 112, 105) }
```


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

```
.border{ border-color:rgb(231, 112, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(231, 112,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2990, 29.5972, 16.9007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 112, 105) }
```

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

```
.background{ background-color: rgb(231,  
112, 105) }
```

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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