

# Converting Colors

XYZ(42.4852, 30.4287, 22.0465)

Have a look what the booklet for  
XYZ(42.4852, 30.4287, 22.0465)  
contains.

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# Color

**XYZ(42.4852, 30.4287,  
22.0465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7727A
RGB	231, 114, 122
RGB Percent	91%, 45%, 48%
CMY	0.0941, 0.5529, 0.5216
CMYK	0.00, 0.51, 0.47, 0.09
HSL	356°, 71%, 68%
HSV	356°, 51%, 91%
XYZ	42.4852, 30.4287, 22.0465
YIQ	149.8950, 67.1640, 27.2920

# Conversions

## Conversions Part 2

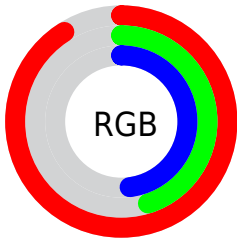
Format	Color
R <sub>Y</sub> B	231, 114, 122
Decimal	15168122
CIE Lab	62.02, 46.00, 17.08
CIE LCh	62, 49.064, 20.371
Yxy	30.4287, 0.4474, 0.3204
Android (android.graphics.Color)	4293358202 (0xFFE7727A)
YUV	149.8950, -13.7522, 71.1291
Hunter-Lab	55.1622, 40.9444, 14.9173

# Details

The XYZ color **42.4852, 30.4287, 22.0465** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **48.8363, 66.0577, 79.9927**, and the grayscale version is **28.9824, 30.4917, 33.2055**.

A 20% lighter version of the original color is **62.8826, 52.3213, 46.8291**, and **19.6994, 12.4898, 7.8511** is the 20% darker color. If you saturate the color by 10%, you get **39.0116, 25.3846, 15.0222**, and if you desaturate by 10%, it is **46.9135, 36.9097, 30.8463**.

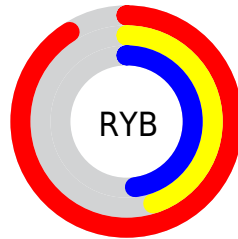
# Distribution



Red (91%)

Green (45%)

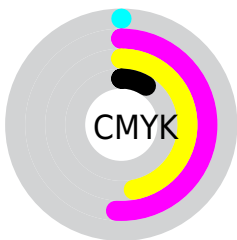
Blue (48%)



Red (91%)

Yellow (45%)

Blue (48%)

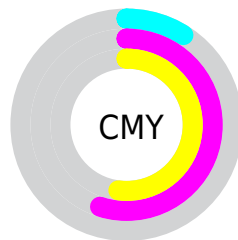


Cyan (0%)

Magenta (51%)

Yellow (47%)

Black (9%)



Cyan (9%)

Magenta (55%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4852, 30.4287, 22.0465 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 42.4852, 30.4287, 22.0465 by changing the saturation by 10% instead.





 42.4852, 30.4287,  
22.0465


 42.4852, 30.4287,  
22.0465


347.4479,  
303.8976, 275.7504

 29.6742, 20.1642,  
13.6924


 78.1940, 60.3395,  
47.7260

 19.7382, 12.5145,  
7.7708


 101.8225, 80.7546,  
65.8885

 12.3121, 7.0951,  
3.8629

 129.7875,  
105.3220, 88.1576

 7.0303, 3.5216,  
1.5505

162.4544,  
134.4261, 114.9518

 3.5276, 1.4097,  
0.2551

200.1885,  
168.4513, 146.6897

 1.4385, 0.2239,  
0.0000

243.3552,

 0.2834, 0.0000,

207.7821, 183.7897

0.0000

292.3199,  
252.8027, 226.6704

0.0000, 0.0000,  
0.0000

42.4852, 30.4287,  
22.0465

42.4852, 30.4287,  
22.0465

39.0116, 25.3846,  
15.0222

46.9135, 36.9097,  
30.8463

36.4202, 21.6637,  
9.6510

52.3572, 44.9206,  
41.5294

34.6316, 19.1432,  
5.7979

58.8751, 54.5520,  
54.1969

33.5515, 17.6747,  
3.3054

66.5203, 65.8861,  
68.9422

33.0469, 17.0257,  
2.0263

75.3428, 78.9997,  
85.8528

■ 85.3895, 93.9648,  
105.0113

■ 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.



43.2828, 30.4287, 39.5728



42.4852, 30.4287, 22.0465



37.7698, 30.4287, 12.3193

# Triad

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



42.4852, 30.4287, 22.0465



20.2266, 30.4287, 14.9712



26.8555, 30.4287, 83.2667

# Complementary

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



42.4852, 30.4287, 22.0465



48.8363, 66.0577, 79.9927

# 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.



21.5759, 30.4287, 69.6312



42.4852, 30.4287, 22.0465



18.1506, 30.4287, 27.4304

# Square

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



42.4852, 30.4287, 22.0465



24.7352, 30.4287, 9.4423



18.6039, 30.4287, 47.4213



33.5555, 30.4287, 80.0616



# Rectangle

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



42.4852, 30.4287, 22.0465



33.3856, 30.4287, 9.3729



18.6039, 30.4287, 47.4213



24.8743, 30.4287, 80.3513

# Sweetspot

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



42.4860, 30.4303, 22.0471



78.8226, 75.8906, 77.7630



50.3370, 33.2172, 79.3597



16.4406, 15.6053, 15.8135



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.



42.4860, 30.4303, 22.0471



48.5633, 31.3967, 18.2748



49.0462, 44.3111, 21.8896



14.4167, 14.3839, 15.1290



18.5426, 9.5513, 1.2204



1.3843, 0.7114, 0.1644



# Inverse Universe

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



42.4860, 30.4303, 22.0471



48.5633, 31.3967, 18.2748



38.1439, 42.9070, 81.8727



14.4167, 14.3839, 15.1290



18.5426, 9.5513, 1.2204



1.3843, 0.7114, 0.1644



# Previews

## White Background



This preview shows how the XYZ color 42.4852, 30.4287, 22.0465 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 42.4852, 30.4287, 22.0465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

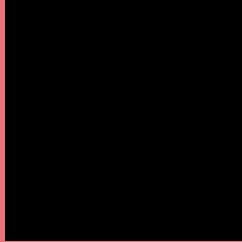
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.4852, 30.4287, 22.0465**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4852, 30.4287, 22.0465.



This preview shows how white text looks on a background with the XYZ color 42.4852, 30.4287,



# 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

42.4852, 30.4287, 22.0465

### Protanopia

29.1575, 30.6747, 29.1950

### Deuteranopia

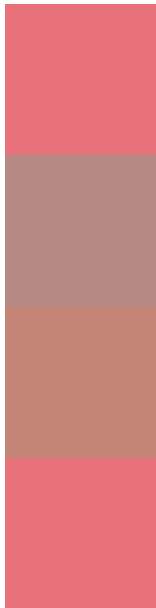
31.0886, 30.4610, 21.0706



## Tritanopia

42.4852, 30.4287, 22.0465

# Trichromacy



## Original Color

42.4852, 30.4287, 22.0465

## Protanomaly

32.7077, 29.6521, 26.1898

## Deuteranomaly

34.4823, 29.8427, 21.3956

## Tritanomaly

42.4852, 30.4287, 22.0465

# Monochromacy



## Original Color

42.4852, 30.4287, 22.0465

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

32.2697, 29.3685, 28.7788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4852, 30.4287, 22.0465 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, 114, 122)` looks like.

```
.text, #text, p{  
    color:rgb(231, 114, 122)  
}
```

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, 114, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 114, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4852, 30.4287, 22.0465 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, 114, 122) }
```



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

```
.border{ border-color:rgb(231, 114, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 114, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 114, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 114, 122);  
box-shadow:4px 4px 4px 4px rgb(231, 114,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4852, 30.4287, 22.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 114, 122) }
```

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

```
.background{ background-color: rgb(231,  
114, 122) }
```

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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