

# Converting Colors

XYZ(41.1515, 29.8341, 24.5508)

Have a look what the booklet for  
XYZ(41.1515, 29.8341, 24.5508)  
contains.

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# Color

**XYZ(41.2113, 29.8807,  
24.7146)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E17382
RGB	225, 115, 130
RGB Percent	88%, 45%, 51%
CMY	0.1176, 0.5490, 0.4902
CMYK	0.00, 0.49, 0.42, 0.12
HSL	352°, 65%, 67%
HSV	352°, 49%, 88%
XYZ	41.2113, 29.8807, 24.7146
YIQ	149.6000, 60.7450, 27.9850

# Conversions

## Conversions Part 2

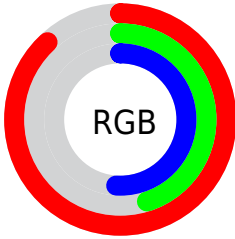
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 115, 130
Decimal	14775170
CIE <sub>Lab</sub>	61.55, 44.17, 11.71
CIE <sub>LCh</sub>	62, 45.692, 14.847
Yxy	29.8807, 0.4302, 0.3119
Android (android.graphics.Color)	4292965250 (0xFFE17382)
YUV	149.6000, -9.6628, 66.1258
Hunter-Lab	54.6632, 38.9127, 11.4578

# Details

The XYZ color **41.2113, 29.8807, 24.7146** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **45.6298, 62.1490, 70.5674**, and the grayscale version is **28.8425, 30.3445, 33.0452**.

A 20% lighter version of the original color is **63.9752, 53.0548, 51.6685**, and **18.9886, 12.2561, 9.1494** is the 20% darker color. If you saturate the color by 10%, you get **37.7680, 24.8881, 17.7278**, and if you desaturate by 10%, it is **45.5286, 36.2270, 33.2085**.

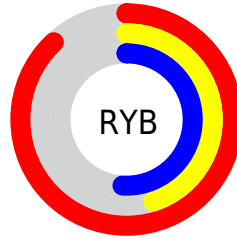
# Distribution



Red (88%)

Green (45%)

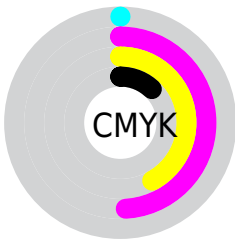
Blue (51%)



Red (88%)

Yellow (45%)

Blue (51%)

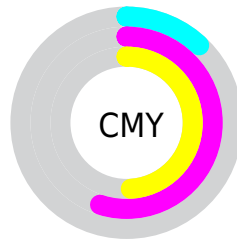


Cyan (0%)

Magenta (49%)

Yellow (42%)

Black (12%)



Cyan (12%)

Magenta (55%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2113, 29.8807, 24.7146 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 41.2113, 29.8807, 24.7146 by changing the saturation by 10% instead.





 41.2113, 29.8807,  
24.7146


 41.2113, 29.8807,  
24.7146


342.2505,  
301.3480, 289.8157


 28.6726, 19.7481,  
15.6475


 76.2772, 59.4735,  
52.1522

 18.9763, 12.2120,  
9.1234


 99.5352, 79.7024,  
71.3598

 11.7571, 6.8883,  
4.7238


 127.0970,  
104.0655, 94.7845

 6.6495, 3.3923,  
2.0303

159.3279,  
132.9472, 122.8451

 3.2883, 1.3398,  
0.5738

196.5934,  
166.7319, 155.9599

 1.3080, 0.1717,  
0.0000

239.2587,

 0.1892, 0.0000,

205.8040, 194.5476

0.0000

287.6893,  
250.5479, 239.0267

■ 0.0000, 0.0000,  
0.0000

■ 41.2113, 29.8807,  
24.7146

■ 41.2113, 29.8807,  
24.7146

■ 37.7680, 24.8881,  
17.7278

■ 45.5286, 36.2270,  
33.2085

■ 35.1360, 21.1463,  
12.1580

■ 50.7721, 44.0110,  
43.2894

■ 33.2482, 18.5453,  
7.9074


■ 56.9926, 53.3151,  
55.0333


■ 32.0250, 16.9534,  
4.8652


■ 64.2364, 64.2142,  
68.5108

■ 31.3507, 16.1708,  
2.8958

■ 72.5470, 76.7784,  
83.7885

 31.2943, 16.1047,  
2.7329

 81.9654, 91.0734,  
100.9294

 84.8613, 94.7475,  
108.4232

# Harmonies

## Analogous

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



41.1907, 29.8807, 42.0556



41.2113, 29.8807, 24.7146



37.4840, 29.8807, 14.2260

# Triad

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



41.2113, 29.8807, 24.7146



20.9537, 29.8807, 14.1538



25.4639, 29.8807, 76.5172

# Complementary

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



41.2113, 29.8807, 24.7146



45.6298, 62.1490, 70.5674

# 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.



20.9179, 29.8807, 62.1816



41.2113, 29.8807, 24.7146



18.5771, 29.8807, 24.5720

# Square

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



41.2113, 29.8807, 24.7146



25.5197, 29.8807, 9.7713



18.5650, 29.8807, 41.8523



31.4908, 29.8807, 76.5985



# Rectangle

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



41.2113, 29.8807, 24.7146



33.6440, 29.8807, 10.7193



18.5650, 29.8807, 41.8523



23.7326, 29.8807, 73.0291

# Sweetspot

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



41.2121, 29.8822, 24.7152



79.1685, 76.0289, 79.5845



45.8755, 31.1818, 74.8348



16.5226, 15.6381, 16.2454



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.



41.2121, 29.8822, 24.7152



49.9513, 32.7539, 23.1113



45.6201, 40.1934, 21.5753



13.7829, 13.7308, 14.6271



18.0579, 9.2902, 1.7048



1.2764, 0.6538, 0.2486



# Inverse Universe

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



41.2121, 29.8822, 24.7152



49.9513, 32.7539, 23.1113



38.3266, 44.4113, 77.7862



13.7829, 13.7308, 14.6271



18.0579, 9.2902, 1.7048



1.2764, 0.6538, 0.2486



# Previews

## White Background



This preview shows how the XYZ color 41.2113, 29.8807, 24.7146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

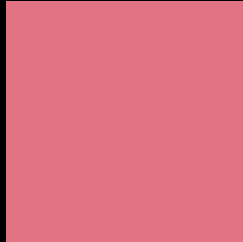
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2113, 29.8807, 24.7146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

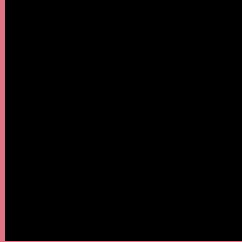
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.2113, 29.8807, 24.7146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2113, 29.8807, 24.7146.



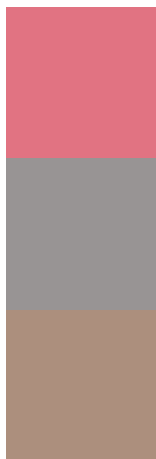
This preview shows how white text looks on a background with the XYZ color 41.2113, 29.8807,

24.7146.

# 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

41.2113, 29.8807, 24.7146

### Protanopia

28.8841, 29.9933, 32.2839

### Deuteranopia

30.5374, 29.8962, 23.5631



## Tritanopia

40.9348, 29.9536, 22.6929

# Trichromacy



## Original Color

41.2113, 29.8807, 24.7146

## Protanomaly

32.2023, 29.1151, 29.1218

## Deuteranomaly

33.7042, 29.3837, 23.9739

## Tritanomaly

41.0626, 30.0047, 23.3659

# Monochromacy



## Original Color

41.2113, 29.8807, 24.7146

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

32.0350, 29.2216, 29.9385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2113, 29.8807, 24.7146 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(225, 115, 130)` looks like.

```
.text, #text, p{  
    color:rgb(225, 115, 130)  
}
```

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(225, 115, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 115, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2113, 29.8807, 24.7146 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(225, 115, 130) }
```



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

```
.border{ border-color:rgb(225, 115, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 115, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 115, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 115, 130);  
box-shadow:4px 4px 4px 4px rgb(225, 115,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2113, 29.8807, 24.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 115, 130) }
```

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

```
.background{ background-color: rgb(225,  
115, 130) }
```

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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