

# Converting Colors

XYZ(42.2978, 30.5849, 18.6917)

Have a look what the booklet for  
XYZ(42.2978, 30.5849, 18.6917)  
contains.

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# Color

**XYZ(42.2787, 30.5650,  
18.7102)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8736F
RGB	232, 115, 111
RGB Percent	91%, 45%, 44%
CMY	0.0902, 0.5490, 0.5647
CMYK	0.00, 0.50, 0.52, 0.09
HSL	2°, 72%, 67%
HSV	2°, 52%, 91%
XYZ	42.2787, 30.5650, 18.7102
YIQ	149.5270, 71.0160, 23.5600

# Conversions

## Conversions Part 2

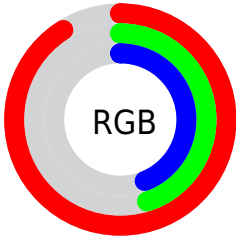
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 115, 111
Decimal	15233903
CIE <sub>Lab</sub>	62.14, 44.87, 23.53
CIE <sub>LCh</sub>	62, 50.669, 27.672
Yxy	30.5650, 0.4618, 0.3338
Android (android.graphics.Color)	4293423983 (0xFFE8736F)
YUV	149.5270, -18.9938, 72.3288
Hunter-Lab	55.2856, 39.7549, 18.6345

# Details

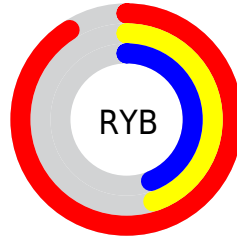
The XYZ color **42.2787, 30.5650, 18.7102** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **48.8626, 64.6887, 86.2545**, and the grayscale version is **28.8469, 30.3492, 33.0502**.

A 20% lighter version of the original color is **62.0388, 52.2803, 41.4716**, and **19.6331, 12.5748, 6.0950** is the 20% darker color. If you saturate the color by 10%, you get **38.9090, 25.6114, 12.0821**, and if you desaturate by 10%, it is **46.6039, 36.8990, 27.2937**.

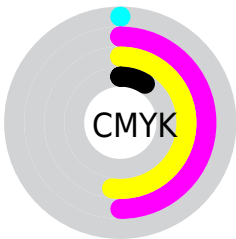
# Distribution



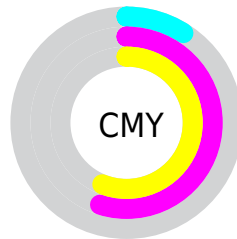
- Red (91%)
- Green (45%)
- Blue (44%)



- Red (91%)
- Yellow (45%)
- Blue (44%)



- Cyan (0%)
- Magenta (50%)
- Yellow (52%)
- Black (9%)



- Cyan (9%)
- Magenta (55%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2787, 30.5650, 18.7102 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 42.2787, 30.5650, 18.7102 by changing the saturation by 10% instead.



42.2787, 30.5650,  
18.7102

42.2787, 30.5650,  
18.7102

346.6090,  
304.5292, 257.2134

29.5116, 20.2678,  
11.2864

77.8838, 60.5546,  
42.0740

19.6144, 12.5899,  
6.1432

101.4525, 81.0157,  
58.8510

12.2217, 7.1468,  
2.8622

129.3525,  
105.6337, 79.5829

6.9681, 3.5540,  
1.0247

161.9491,  
134.7929, 104.6881

3.4883, 1.4274,  
0.0000

199.6077,  
168.8776, 134.5852

1.4170, 0.2368,  
0.0000

242.6937,

0.2683, 0.0000,

208.2723, 169.6928

0.0000

291.5723,  
253.3614, 210.4293

■ 0.0000, 0.0000,  
0.0000

■ 42.2787, 30.5650,  
18.7102

■ 42.2787, 30.5650,  
18.7102

■ 38.9090, 25.6114,  
12.0821

■ 46.6039, 36.8990,  
27.2937

■ 36.4204, 21.9311,  
7.2542

■ 51.9471, 44.7007,  
37.9682

■ 34.7311, 19.4091,  
4.0505

■ 58.3682, 54.0556,  
50.8590

■ 33.7431, 17.9074,  
2.2589

■ 65.9216, 65.0415,  
66.0813

■ 33.3620, 17.3225,  
1.5852

■ 74.6584, 77.7310,  
83.7422

■ 84.6262, 92.1921,  
103.9421

■ 87.0886, 95.8957,  
108.5274

# Harmonies

## Analogous

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



44.2196, 30.5650, 34.8291



42.2787, 30.5650, 18.7102



36.6420, 30.5650, 10.5660

# Triad

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



42.2787, 30.5650, 18.7102



19.3207, 30.5650, 16.9674



28.5217, 30.5650, 86.6647

# Complementary

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



42.2787, 30.5650, 18.7102



48.8626, 64.6887, 86.2545

# 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.



22.5885, 30.5650, 76.1619



42.2787, 30.5650, 18.7102



17.8211, 30.5650, 31.7777

# Square

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



42.2787, 30.5650, 18.7102



23.3776, 30.5650, 9.8718



18.9177, 30.5650, 53.9417



35.5754, 30.5650, 78.8421



# Rectangle

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



42.2787, 30.5650, 18.7102



31.9415, 30.5650, 8.4239



18.9177, 30.5650, 53.9417



26.3406, 30.5650, 85.0940

# Sweetspot

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



42.2795, 30.5666, 18.7107



77.8441, 75.0072, 74.1273



53.2437, 34.2370, 78.6525



16.2472, 15.4515, 15.0306



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.



42.2795, 30.5666, 18.7107



47.8017, 31.1255, 14.1606



51.1908, 48.3892, 21.6812



14.4151, 14.4440, 14.9327



18.5392, 9.6525, 0.8860



1.3836, 0.7405, 0.0700



# Inverse Universe

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



48.8626, 64.6887, 86.2545



56.7885, 77.7911, 106.6299



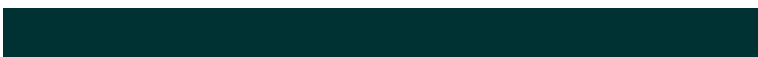
35.3992, 37.7619, 81.7667



14.7644, 16.2502, 18.5028



22.9512, 32.9644, 47.5363



1.7089, 2.4618, 3.5171



# Previews

## White Background



This preview shows how the XYZ color 42.2787, 30.5650, 18.7102 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 42.2787, 30.5650, 18.7102 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 42.2787, 30.5650, 18.7102**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2787, 30.5650, 18.7102.



This preview shows how white text looks on a background with the XYZ color 42.2787, 30.5650,



# 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

42.2787, 30.5650, 18.7102

### Protanopia

29.0352, 30.7159, 24.4771

### Deuteranopia

31.1652, 30.5708, 17.8938



## Tritanopia

42.9606, 30.5144, 21.7147

# Trichromacy



## Original Color

42.2787, 30.5650, 18.7102

## Protanomaly

32.6466, 29.7109, 22.1033

## Deuteranomaly

34.3830, 29.8635, 18.1394

## Tritanomaly

42.8325, 30.6426, 20.4867

# Monochromacy



## Original Color

42.2787, 30.5650, 18.7102

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

32.2120, 29.3722, 27.2642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2787, 30.5650, 18.7102 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(232, 115, 111)` looks like.

```
.text, #text, p{  
    color:rgb(232, 115, 111)  
}
```

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(232, 115, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 115, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2787, 30.5650, 18.7102 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(232, 115, 111) }
```



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

```
.border{ border-color:rgb(232, 115, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 115, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 115, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 115, 111);  
box-shadow:4px 4px 4px 4px rgb(232, 115,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2787, 30.5650, 18.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 115, 111) }
```

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

```
.background{ background-color: rgb(232,  
115, 111) }
```

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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