

# Converting Colors

XYZ(45.4877, 34.0902, 23.9213)

Have a look what the booklet for  
XYZ(45.4877, 34.0902, 23.9213)  
contains.

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# Color

**XYZ(45.4877, 34.0902,  
23.9213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB7E7E
RGB	235, 126, 126
RGB Percent	92%, 49%, 49%
CMY	0.0784, 0.5059, 0.5059
CMYK	0.00, 0.46, 0.46, 0.08
HSL	0°, 73%, 71%
HSV	0°, 46%, 92%
XYZ	45.4877, 34.0902, 23.9213
YIQ	158.5910, 64.9640, 23.1080

# Conversions

## Conversions Part 2

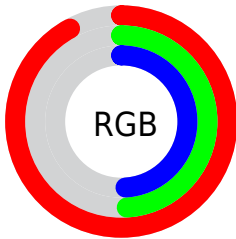
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 126, 126
Decimal	15433342
CIE Lab	65.03, 41.82, 19.03
CIE LCh	65, 45.944, 24.473
Yxy	34.0902, 0.4395, 0.3294
Android (android.graphics.Color)	4293623422 (0xFFEB7E7E)
YUV	158.5910, -16.0674, 67.0107
Hunter-Lab	58.3868, 36.8879, 16.5794

# Details

The XYZ color **45.4877, 34.0902, 23.9213** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.3064, 69.8472, 89.2694**, and the grayscale version is **32.8191, 34.5282, 37.6013**.

A 20% lighter version of the original color is **65.9006, 57.5624, 50.2851**, and **21.4675, 14.5473, 8.6976** is the 20% darker color. If you saturate the color by 10%, you get **41.4855, 28.2343, 15.9643**, and if you desaturate by 10%, it is **50.5534, 41.5033, 33.9905**.

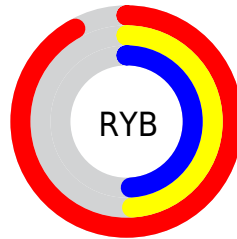
# Distribution



Red (92%)

Green (49%)

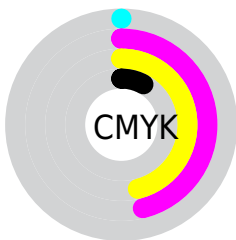
Blue (49%)



Red (92%)

Yellow (49%)

Blue (49%)

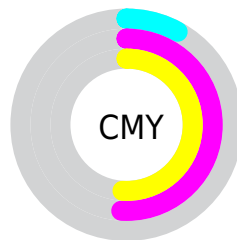


Cyan (0%)

Magenta (46%)

Yellow (46%)

Black (8%)



Cyan (8%)

Magenta (51%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4877, 34.0902, 23.9213 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 45.4877, 34.0902, 23.9213 by changing the saturation by 10% instead.





 45.4877, 34.0902,  
23.9213


 45.4877, 34.0902,  
23.9213


359.4957,  
320.5341, 285.6961

 32.0447, 22.9629,  
15.0636


 82.6843, 66.0739,  
50.8440

 21.5513, 14.5661,  
8.7169


 107.1687, 87.6991,  
69.7460

 13.6423, 8.5154,  
4.4627


 136.0641,  
113.5924, 92.8332

 7.9524, 4.4265,  
1.8825

169.7360,  
144.1382, 120.5242

 4.1160, 1.9149,  
0.4815

208.5498,  
179.7209, 153.2374

 1.7680, 0.5573,  
0.0000

252.8708,

 0.4983, 0.0000,

220.7248, 191.3914

0.0000

303.0643,  
267.5344, 235.4048

■ 0.0000, 0.0000,  
0.0000

■ 45.4877, 34.0902,  
23.9213

■ 45.4877, 34.0902,  
23.9213

■ 41.4855, 28.2343,  
15.9643

■ 50.5534, 41.5033,  
33.9905

■ 38.4689, 23.8200,  
9.9675

■ 56.7482, 50.5681,  
46.3054

■ 36.3531, 20.7239,  
5.7618

■ 64.1354, 61.3777,  
60.9908

■ 35.0384, 18.8001,  
3.1486

■ 72.7730, 74.0168,  
78.1620

■ 34.3999, 17.8656,  
1.8794

■ 82.7149, 88.5647,  
97.9264

■ 34.2610, 17.6624,  
1.6034

■ 88.0709, 96.4021,  
108.5734

# Harmonies

## Analogous

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



46.8672, 34.0902, 40.7578



45.4877, 34.0902, 23.9213



40.4137, 34.0902, 14.5811

# Triad

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



45.4877, 34.0902, 23.9213



23.0701, 34.0902, 19.6473



31.1859, 34.0902, 86.7978

# Complementary

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



45.4877, 34.0902, 23.9213



53.3064, 69.8472, 89.2694

# 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.



25.5254, 34.0902, 75.6071



45.4877, 34.0902, 23.9213



21.2687, 34.0902, 33.7024

# Square

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



45.4877, 34.0902, 23.9213



27.3882, 34.0902, 12.7701



22.1021, 34.0902, 54.4487



37.9925, 34.0902, 81.4166



# Rectangle

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



45.4877, 34.0902, 23.9213



35.9462, 34.0902, 11.8347



22.1021, 34.0902, 54.4487



29.0982, 34.0902, 84.7595

# Sweetspot

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



45.4886, 34.0920, 23.9219



79.4761, 77.2110, 77.9395



56.7172, 38.5823, 83.0549



16.5556, 15.8597, 15.7767



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.



45.4886, 34.0920, 23.9219



49.9929, 34.0685, 19.3286



54.4493, 52.0135, 26.9088



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



53.3064, 69.8472, 89.2694



60.5152, 82.1932, 107.2831



40.0222, 43.2788, 84.8414



15.5177, 17.1218, 19.4092



24.8778, 36.4025, 49.4582



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 45.4877, 34.0902, 23.9213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

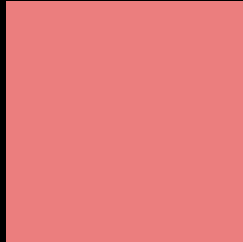
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4877, 34.0902, 23.9213 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 45.4877, 34.0902, 23.9213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4877, 34.0902, 23.9213.



This preview shows how white text looks on a background with the XYZ color 45.4877, 34.0902,



# 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

45.4877, 34.0902, 23.9213

### Protanopia

32.6264, 34.4060, 30.5126

### Deuteranopia

34.9908, 34.3007, 23.1888



## Tritanopia

46.2288, 34.2213, 26.7231

# Trichromacy



## Original Color

45.4877, 34.0902, 23.9213

## Protanomaly

35.9580, 33.2825, 27.8215

## Deuteranomaly

38.2995, 33.9124, 23.2660

## Tritanomaly

46.0224, 34.1388, 25.6365

# Monochromacy



## Original Color

45.4877, 34.0902, 23.9213

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

36.1937, 33.5388, 32.1698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4877, 34.0902, 23.9213 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(235, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(235, 126, 126)  
}
```

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(235, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 126, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4877, 34.0902, 23.9213 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(235, 126, 126) }
```



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

```
.border{ border-color:rgb(235, 126, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 126, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 126, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 126, 126);  
box-shadow:4px 4px 4px 4px rgb(235, 126,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4877, 34.0902, 23.9213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 126, 126) }
```

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

```
.background{ background-color: rgb(235,  
126, 126) }
```

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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