

# Converting Colors

XYZ(36.8620, 30.3758, 22.1392)

Have a look what the booklet for  
XYZ(36.8620, 30.3758, 22.1392)  
contains.

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# Color

**XYZ(36.8874, 30.4676,  
22.0258)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE8279
RGB	206, 130, 121
RGB Percent	81%, 51%, 47%
CMY	0.1922, 0.4902, 0.5255
CMYK	0.00, 0.37, 0.41, 0.19
HSL	6°, 46%, 64%
HSV	6°, 41%, 81%
XYZ	36.8874, 30.4676, 22.0258
YIQ	151.6980, 48.1850, 13.3130

# Conversions

## Conversions Part 2

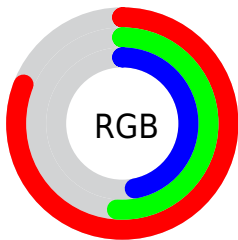
Format	Color
R <sub>Y</sub> B	206, 131, 121
Decimal	13533817
CIE Lab	62.06, 28.27, 17.17
CIE LCh	62, 33.073, 31.282
Yxy	30.4676, 0.4127, 0.3409
Android (android.graphics.Color)	4291723897 (0xFFCE8279)
YUV	151.6980, -15.1341, 47.6229
Hunter-Lab	55.1975, 22.6925, 14.9794

# Details

The XYZ color **36.8874, 30.4676, 22.0258** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **38.9909, 48.4514, 65.6893**, and the grayscale version is **29.7642, 31.3143, 34.1013**.

A 20% lighter version of the original color is **65.9233, 58.5581, 47.3635**, and **16.4328, 12.5948, 7.6958** is the 20% darker color. If you saturate the color by 10%, you get **33.5221, 25.5474, 15.3229**, and if you desaturate by 10%, it is **40.9625, 36.3757, 30.2966**.

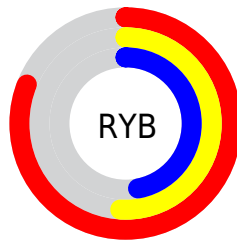
# Distribution



Red (81%)

Green (51%)

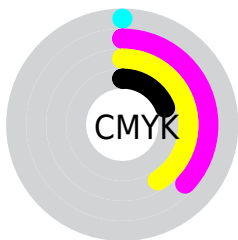
Blue (47%)



Red (81%)

Yellow (51%)

Blue (47%)

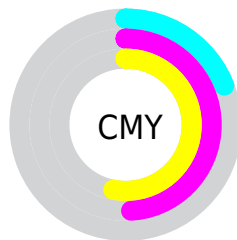


Cyan (0%)

Magenta (37%)

Yellow (41%)

Black (19%)



Cyan (19%)

Magenta (49%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8874, 30.4676, 22.0258 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 36.8874, 30.4676, 22.0258 by changing the saturation by 10% instead.





 36.8874, 30.4676,  
22.0258


 36.8874, 30.4676,  
22.0258


324.1868,  
304.0780, 275.6389


 25.2936, 20.1938,  
13.6774


 69.7145, 60.4009,  
47.6914

 16.4258, 12.5360,  
7.7604


 91.6786, 80.8291,  
65.8456

 9.9187, 7.1098,  
3.8565


 117.8301,  
105.4110, 88.1055

 5.4070, 3.5309,  
1.5469

148.5344,  
134.5308, 114.8896

 2.5252, 1.4148,  
0.2525

184.1568,  
168.5730, 146.6164

 0.9080, 0.2276,  
0.0000

225.0628,

 0.0000, 0.0000,

207.9221, 183.7046

0.0000

271.6177,  
252.9622, 226.5725

■ 36.8874, 30.4676,  
22.0258

■ 36.8874, 30.4676,  
22.0258

■ 33.5221, 25.5474,  
15.3229

■ 40.9625, 36.3757,  
30.2966

■ 30.8235, 21.5567,  
10.0872

■ 45.7826, 43.3168,  
40.2241

■ 28.7475, 18.4384,  
6.2089


■ 51.3832, 51.3386,  
51.8923

■ 27.2436, 16.1266,  
3.5618

■ 57.7968, 60.4847,  
65.3792

■ 26.2532, 14.5464,  
1.9964

■ 65.0544, 70.7960,  
80.7579

 25.7371, 13.6889,  
1.2857

 73.1849, 82.3117,  
98.0975

 79.2635, 91.8618,  
108.1612

# Harmonies

## Analogous

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



38.3631, 30.4676, 32.6298



36.8874, 30.4676, 22.0258



33.2589, 30.4676, 16.0152

# Triad

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



36.8874, 30.4676, 22.0258



22.0961, 30.4676, 22.7551



29.1500, 30.4676, 64.1258

# Complementary

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



36.8874, 30.4676, 22.0258



38.9909, 48.4514, 65.6893

# 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.



25.0458, 30.4676, 59.5788



36.8874, 30.4676, 22.0258



21.2322, 30.4676, 33.7243

# Square

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



36.8874, 30.4676, 22.0258



24.7466, 30.4676, 16.3543



22.2560, 30.4676, 47.5635



33.6232, 30.4676, 58.7739



# Rectangle

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



36.8874, 30.4676, 22.0258



30.2723, 30.4676, 14.3956



22.2560, 30.4676, 47.5635



27.6833, 30.4676, 63.6978

# Sweetspot

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



36.8882, 30.4691, 22.0264



82.3938, 81.9535, 82.2817



42.4264, 30.8509, 56.8428



17.3662, 17.1560, 17.0483



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.



36.8882, 30.4691, 22.0264



54.6294, 41.8574, 25.4499



43.6573, 44.0074, 24.2828



11.3064, 11.4018, 11.6843



15.8828, 8.4985, 0.8033



0.8526, 0.5048, 0.0525



# Inverse Universe

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



38.9909, 48.4514, 65.6893



58.4783, 74.9730, 105.9969



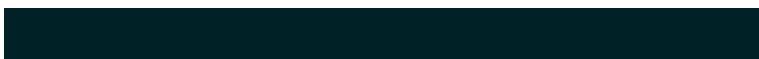
30.7473, 31.9641, 62.9415



11.4378, 12.5160, 14.3834



17.4798, 23.9835, 39.6643



0.9316, 1.2970, 2.0562



# Previews

## White Background



This preview shows how the XYZ color 36.8874, 30.4676, 22.0258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

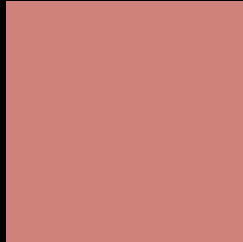
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8874, 30.4676, 22.0258 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 36.8874, 30.4676, 22.0258**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8874, 30.4676, 22.0258.



This preview shows how white text looks on a background with the XYZ color 36.8874, 30.4676,



# 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

36.8874, 30.4676, 22.0258

### Protanopia

29.1036, 30.7205, 25.8684

### Deuteranopia

31.1478, 30.4846, 21.3820



## Tritanopia

37.9667, 30.5099, 27.5548

# Trichromacy



## Original Color

36.8874, 30.4676, 22.0258

## Protanomaly

31.3324, 30.2912, 24.2741

## Deuteranomaly

33.0559, 30.3619, 21.5710

## Tritanomaly

37.6791, 30.6046, 25.3941

# Monochromacy



## Original Color

36.8874, 30.4676, 22.0258

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.7942, 30.6403, 29.4377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8874, 30.4676, 22.0258 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(206, 130, 121)` looks like.

```
.text, #text, p{  
    color:rgb(206, 130, 121)  
}
```

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(206, 130, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 130, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8874, 30.4676, 22.0258 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(206, 130, 121) }
```



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

```
.border{ border-color:rgb(206, 130, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 130, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 130, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 130, 121);  
box-shadow:4px 4px 4px 4px rgb(206, 130,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8874, 30.4676, 22.0258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 130, 121) }
```

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

```
.background{ background-color: rgb(206,  
130, 121) }
```

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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