

# Converting Colors

XYZ(36.5392, 30.2992, 22.2105)

Have a look what the booklet for  
XYZ(36.5392, 30.2992, 22.2105)  
contains.

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# Color

**XYZ(36.6723, 30.3495,  
22.3376)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD827A
RGB	205, 130, 122
RGB Percent	80%, 51%, 48%
CMY	0.1961, 0.4902, 0.5216
CMYK	0.00, 0.37, 0.40, 0.20
HSL	6°, 45%, 64%
HSV	6°, 40%, 80%
XYZ	36.6723, 30.3495, 22.3376
YIQ	151.5130, 47.2680, 13.4120

# Conversions

## Conversions Part 2

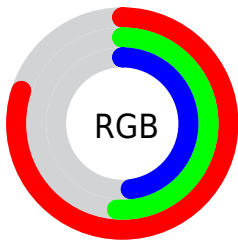
Format	Color
R <sub>Y</sub> B	205, 131, 122
Decimal	13468282
CIE Lab	61.95, 27.99, 16.45
CIE LCh	62, 32.465, 30.440
Yxy	30.3495, 0.4104, 0.3396
Android (android.graphics.Color)	4291658362 (0xFFCD827A)
YUV	151.5130, -14.5499, 46.9081
Hunter-Lab	55.0904, 22.4149, 14.5228

# Details

The XYZ color **36.6723, 30.3495, 22.3376** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.0109, 48.4760, 65.0582**, and the grayscale version is **29.6824, 31.2282, 34.0075**.

A 20% lighter version of the original color is **66.0205, 58.5970, 47.8751**, and **16.2840, 12.5143, 7.8606** is the 20% darker color. If you saturate the color by 10%, you get **33.2876, 25.4030, 15.5899**, and if you desaturate by 10%, it is **40.7700, 36.2932, 30.6454**.

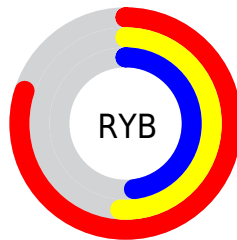
# Distribution



Red (80%)

Green (51%)

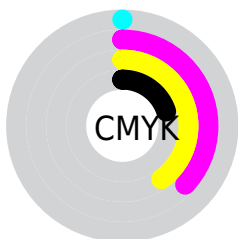
Blue (48%)



Red (80%)

Yellow (51%)

Blue (48%)

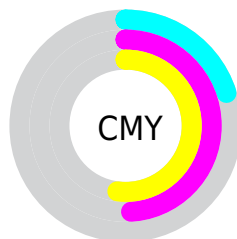


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (20%)



Cyan (20%)

Magenta (49%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6723, 30.3495, 22.3376 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 36.6723, 30.3495, 22.3376 by changing the saturation by 10% instead.





 36.6723, 30.3495,  
22.3376


 36.6723, 30.3495,  
22.3376


323.2698,  
303.5302, 277.3151

 25.1264, 20.1040,  
13.9045


 69.3856, 60.2145,  
48.2127

 16.3005, 12.4707,  
7.9163


 91.2837, 80.6027,  
66.4917

 9.8292, 7.0651,  
3.9544


 117.3632,  
105.1407, 88.8898

 5.3473, 3.5028,  
1.6004

147.9895,  
134.2128, 115.8255

 2.4893, 1.3995,  
0.2911

183.5280,  
168.2034, 147.7173

 0.8898, 0.2164,  
0.0000

224.3440,

 0.0000, 0.0000,

207.4969, 184.9838

0.0000

270.8028,  
252.4777, 228.0436

■ 36.6723, 30.3495,  
22.3376

■ 36.6723, 30.3495,  
22.3376

■ 33.2876, 25.4030,  
15.5899

■ 40.7700, 36.2932,  
30.6454

■ 30.5728, 21.3948,  
10.3031

■ 45.6159, 43.2798,  
40.6005

■ 28.4837, 18.2667,  
6.3693


■ 51.2457, 51.3577,  
52.2858


■ 26.9698, 15.9523,  
3.6652


■ 57.6921, 60.5709,  
65.7781

■ 25.9725, 14.3754,  
2.0446

■ 64.9858, 70.9609,  
81.1496

 25.4229, 13.4713,  
1.2603

 73.1562, 82.5673,  
98.4684

 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



38.0412, 30.3495, 32.8620



36.6723, 30.3495, 22.3376



33.1710, 30.3495, 16.2860

# Triad

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



36.6723, 30.3495, 22.3376



22.1674, 30.3495, 22.5837



28.9105, 30.3495, 63.2405

# Complementary

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



36.6723, 30.3495, 22.3376



39.0109, 48.4760, 65.0582

# 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.



24.9148, 30.3495, 58.5577



36.6723, 30.3495, 22.3376



21.2670, 30.3495, 33.2296

# Square

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



36.6723, 30.3495, 22.3376



24.8141, 30.3495, 16.4010



22.2213, 30.3495, 46.7226



33.2932, 30.3495, 58.2890



# Rectangle

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



36.6723, 30.3495, 22.3376



30.2574, 30.3495, 14.6098



22.2213, 30.3495, 46.7226



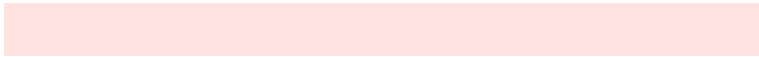
27.4798, 30.3495, 62.7303

# Sweetspot

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



36.6731, 30.3510, 22.3382



82.3141, 81.7939, 82.2552



42.3391, 30.9795, 57.2246



17.3476, 17.1188, 17.0421



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.



36.6731, 30.3510, 22.3382



54.9605, 42.2488, 26.3948



43.1428, 43.2904, 24.4947



11.2979, 11.3848, 11.6815



15.8586, 8.4501, 0.7952



0.8486, 0.4969, 0.0512



# Inverse Universe

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



39.0109, 48.4760, 65.0582



59.2992, 76.0411, 106.1597



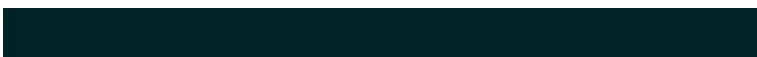
31.0323, 32.5188, 62.3987



11.4472, 12.5349, 14.3865



17.7290, 24.4819, 39.7473

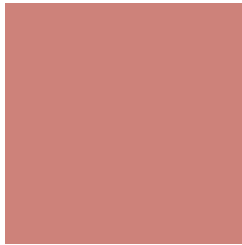


0.9421, 1.3180, 2.0597



# Previews

## White Background



This preview shows how the XYZ color 36.6723, 30.3495, 22.3376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

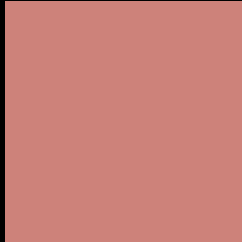
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6723, 30.3495, 22.3376 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 36.6723, 30.3495, 22.3376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6723, 30.3495, 22.3376.



This preview shows how white text looks on a background with the XYZ color 36.6723, 30.3495,



# 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

36.6723, 30.3495, 22.3376

### Protanopia

28.9758, 30.6467, 26.2180

### Deuteranopia

30.9822, 30.3924, 21.6861



## Tritanopia

37.6881, 30.3663, 27.5418

# Trichromacy



## Original Color

36.6723, 30.3495, 22.3376

## Protanomaly

31.1743, 30.2021, 24.6086

## Deuteranomaly

32.8725, 30.2604, 21.8776

## Tritanomaly

37.4687, 30.4883, 25.7398

# Monochromacy



## Original Color

36.6723, 30.3495, 22.3376

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.5756, 30.5275, 29.4275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6723, 30.3495, 22.3376 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(205, 130, 122)` looks like.

```
.text, #text, p{  
    color:rgb(205, 130, 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(205, 130, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 130, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6723, 30.3495, 22.3376 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(205, 130, 122) }
```



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

```
.border{ border-color:rgb(205, 130, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 130, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 130, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 130, 122); box-shadow:4px 4px 4px 4px rgb(205, 130, 122) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6723, 30.3495, 22.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 130, 122) }
```

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

```
.background{ background-color: rgb(205,  
130, 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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