

# Converting Colors

XYZ(35.0058, 23.4120, 21.5794)

Have a look what the booklet for  
XYZ(35.0058, 23.4120, 21.5794)  
contains.

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# Color

**XYZ(34.9930, 23.4301,  
21.7469)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D55D7C
RGB	213, 93, 124
RGB Percent	84%, 36%, 49%
CMY	0.1647, 0.6353, 0.5137
CMYK	0.00, 0.56, 0.42, 0.16
HSL	345°, 59%, 60%
HSV	345°, 56%, 84%
XYZ	34.9930, 23.4301, 21.7469
YIQ	132.4140, 61.5690, 35.0810

# Conversions

## Conversions Part 2

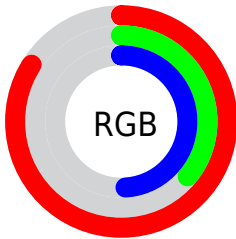
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 93, 124
Decimal	13983100
CIE Lab	55.51, 50.11, 6.39
CIE LCh	56, 50.520, 7.267
Yxy	23.4301, 0.4365, 0.2923
Android (android.graphics.Color)	4292173180 (0xFFD55D7C)
YUV	132.4140, -4.1481, 70.6739
Hunter-Lab	48.4046, 44.3342, 7.2459

# Details

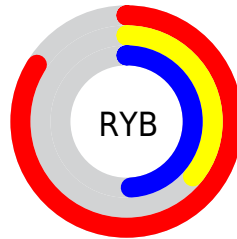
The XYZ color **34.9930, 23.4301, 21.7469** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **36.7533, 53.2936, 52.6090**, and the grayscale version is **22.0815, 23.2314, 25.2990**.

A 20% lighter version of the original color is **59.5102, 45.2620, 46.6742**, and **15.2580, 8.7012, 7.5319** is the 20% darker color. If you saturate the color by 10%, you get **32.4565, 19.8301, 16.3608**, and if you desaturate by 10%, it is **38.2113, 28.1377, 28.1504**.

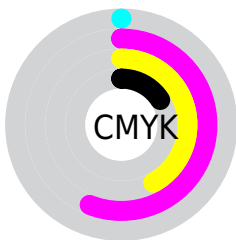
# Distribution



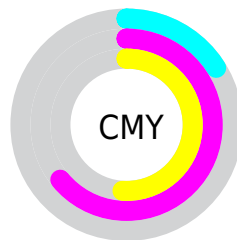
- Red (84%)
- Green (36%)
- Blue (49%)



- Red (84%)
- Yellow (36%)
- Blue (49%)



- Cyan (0%)
- Magenta (56%)
- Yellow (42%)
- Black (16%)




- Cyan (16%)
- Magenta (64%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9930, 23.4301, 21.7469 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 34.9930, 23.4301, 21.7469 by changing the saturation by 10% instead.





 34.9930, 23.4301,  
21.7469


 34.9930, 23.4301,  
21.7469


316.0460,  
269.9264, 274.1319


 23.8240, 14.9114,  
13.4745


 66.8090, 49.0986,  
47.2241


 15.3271, 8.7572,  
7.6215


 88.1867, 67.0172,  
65.2661

 9.1371, 4.5832,  
3.7695


 113.6980, 88.8379,  
87.4016

 4.8885, 2.0048,  
1.4997

 143.7083,  
114.9450, 114.0492

 2.2161, 0.6103,  
0.2177

178.5828,  
145.7231, 145.6275

 0.7512, 0.0000,  
0.0000

218.6871,

 0.0000, 0.0000,

181.5564, 182.5551

0.0000

264.3863,  
222.8294, 225.2503

■ 34.9930, 23.4301,  
21.7469

■ 34.9930, 23.4301,  
21.7469

■ 32.4565, 19.8301,  
16.3608

■ 38.2113, 28.1377,  
28.1504

■ 30.5481, 17.2421,  
11.9360

■ 42.1561, 34.0307,  
35.6207

■ 29.2082, 15.5604,  
8.4124

■ 46.8702, 41.1840,  
44.2051

■ 28.3624, 14.6504,  
5.7207

■ 52.3926, 49.6656,  
53.9476

■ 28.1305, 14.4221,  
4.9176

■ 58.7594, 59.5382,  
64.8901

■ 66.0047, 70.8607,  
77.0720

■ 74.1606, 83.6886,  
90.5310

■ 80.5166, 92.5925,  
104.3896

■ 81.2505, 92.8861,  
108.2542

# Harmonies

## Analogous

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



33.9722, 23.4301, 39.6501



34.9930, 23.4301, 21.7469



32.1697, 23.4301, 10.8443

# Triad

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



34.9930, 23.4301, 21.7469



16.2755, 23.4301, 7.8083



18.3005, 23.4301, 66.7416

# Complementary

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



34.9930, 23.4301, 21.7469



36.7533, 53.2936, 52.6090

# 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.



14.6427, 23.4301, 49.6011



34.9930, 23.4301, 21.7469



13.6202, 23.4301, 15.2104

# Square

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



34.9930, 23.4301, 21.7469



20.9131, 23.4301, 5.3346



13.0780, 23.4301, 29.6870



23.6835, 23.4301, 70.9753



# Rectangle

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



34.9930, 23.4301, 21.7469



28.7307, 23.4301, 7.1798



13.0780, 23.4301, 29.6870



16.8580, 23.4301, 62.0274

# Sweetspot

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



34.9936, 23.4313, 21.7473



77.9947, 73.4916, 79.7785



34.9817, 22.4580, 65.4417



16.3165, 15.1485, 16.4155



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.



34.9936, 23.4313, 21.7473



48.0182, 28.7508, 22.8889



36.2547, 28.6126, 13.9696



12.5536, 12.4729, 13.5895



17.2190, 8.8239, 3.1913



1.0726, 0.5458, 0.3714



# Inverse Universe

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



34.9936, 23.4313, 21.7473



48.0182, 28.7508, 22.8889



33.8744, 41.8302, 69.2393



12.5536, 12.4729, 13.5895



17.2190, 8.8239, 3.1913



1.0726, 0.5458, 0.3714



# Previews

## White Background



This preview shows how the XYZ color 34.9930, 23.4301, 21.7469 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 34.9930, 23.4301, 21.7469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

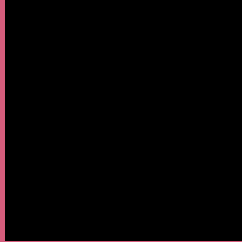
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.9930, 23.4301, 21.7469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9930, 23.4301, 21.7469.



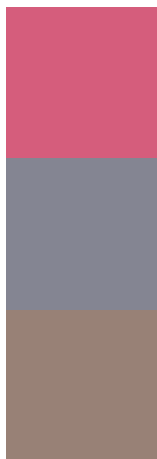
This preview shows how white text looks on a background with the XYZ color 34.9930, 23.4301,



# 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

34.9930, 23.4301, 21.7469

### Protanopia

23.0916, 23.7559, 30.5624

### Deuteranopia

24.0692, 23.6839, 20.4424



## Tritanopia

33.5868, 23.3775, 15.5741

# Trichromacy



## Original Color

34.9930, 23.4301, 21.7469

## Protanomaly

25.7638, 22.3689, 27.0045

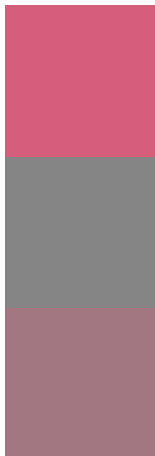
## Deuteranomaly

27.0911, 22.8455, 20.7511

## Tritanomaly

34.2035, 23.5105, 17.7742

# Monochromacy



## Original Color

34.9930, 23.4301, 21.7469

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.1388, 22.1189, 23.7133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9930, 23.4301, 21.7469 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(213, 93, 124)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 124)  
}
```

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(213, 93, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9930, 23.4301, 21.7469 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(213, 93, 124) }
```



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

```
.border{ border-color:rgb(213, 93, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 93, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 124);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9930, 23.4301, 21.7469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 124) }
```

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

```
.background{ background-color: rgb(213, 93,  
124) }
```

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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