

# Converting Colors

XYZ(34.9054, 23.1114, 21.8354)

Have a look what the booklet for  
XYZ(34.9054, 23.1114, 21.8354)  
contains.

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# Color

**XYZ(34.8197, 23.0835,  
21.6891)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D55B7C
RGB	213, 91, 124
RGB Percent	84%, 36%, 49%
CMY	0.1647, 0.6431, 0.5137
CMYK	0.00, 0.57, 0.42, 0.16
HSL	344°, 59%, 60%
HSV	344°, 57%, 84%
XYZ	34.8197, 23.0835, 21.6891
YIQ	131.2400, 62.1190, 36.1270

# Conversions

## Conversions Part 2

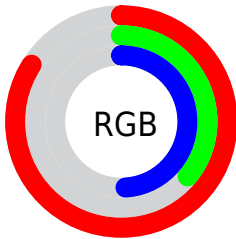
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 91, 124
Decimal	13982588
CIE <sub>Lab</sub>	55.16, 51.05, 5.88
CIE <sub>LCh</sub>	55, 51.387, 6.574
Yxy	23.0835, 0.4375, 0.2900
Android (android.graphics.Color)	4292172668 (0xFFD55B7C)
YUV	131.2400, -3.5693, 71.7035
Hunter-Lab	48.0453, 45.2844, 6.8664

# Details

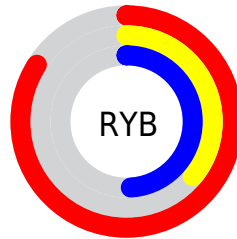
The XYZ color **34.8197, 23.0835, 21.6891** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **36.3481, 53.1084, 51.5186**, and the grayscale version is **21.6568, 22.7846, 24.8125**.

A 20% lighter version of the original color is **59.2019, 44.6454, 46.5714**, and **15.1975, 8.5801, 7.5117** is the 20% darker color. If you saturate the color by 10%, you get **32.3438, 19.5824, 16.3915**, and if you desaturate by 10%, it is **37.9684, 27.6822, 27.9754**.

# Distribution



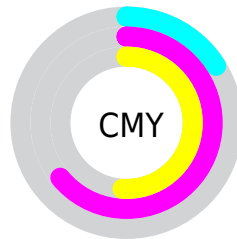
- Red (84%)
- Green (36%)
- Blue (49%)



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



- Cyan (0%)
- Magenta (57%)
- Yellow (42%)
- Black (16%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8197, 23.0835, 21.6891 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 34.8197, 23.0835, 21.6891 by changing the saturation by 10% instead.




 34.8197, 23.0835,  
21.6891


 34.8197, 23.0835,  
21.6891


315.2938,  
268.1536, 273.8187


 23.6899, 14.6552,  
13.4325


 66.5422, 48.5304,  
47.1272


 15.2272, 8.5777,  
7.5928


 87.8656, 66.3178,  
65.1458

 9.0664, 4.4668,  
3.7515


 113.3176, 87.9936,  
87.2554

 4.8420, 1.9380,  
1.4900

 143.2636,  
113.9423, 113.8747

 2.1886, 0.5710,  
0.2105

178.0688,  
144.5482, 145.4221

 0.7367, 0.0000,  
0.0000

218.0987,

 0.0000, 0.0000,

180.1958, 182.3162

0.0000

263.7185,  
221.2695, 224.9756

■ 34.8197, 23.0835,  
21.6891

■ 34.8197, 23.0835,  
21.6891

■ 32.3438, 19.5824,  
16.3915

■ 37.9684, 27.6822,  
27.9754

■ 30.4865, 17.0824,  
12.0282

■ 41.8344, 33.4571,  
35.2981

■ 29.1880, 15.4761,  
8.5410

■ 46.4607, 40.4836,  
43.7030

■ 28.3687, 14.6182,  
5.8613

■ 51.8862, 48.8299,  
53.2327

■ 28.1943, 14.4476,  
5.2534

■ 58.1469, 58.5591,  
63.9276

■ 65.2768, 69.7305,  
75.8258

■ 73.3080, 82.3996,  
88.9638

■ 80.1927, 92.4630,  
102.6838

■ 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.



33.6940, 23.0835, 39.8970



34.8197, 23.0835, 21.6891



32.0413, 23.0835, 10.6215

# Triad

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



34.8197, 23.0835, 21.6891



16.0035, 23.0835, 7.3457



17.8415, 23.0835, 66.6768

# Complementary

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



34.8197, 23.0835, 21.6891



36.3481, 53.1084, 51.5186

# 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.



14.2222, 23.0835, 49.0396



34.8197, 23.0835, 21.6891



13.2974, 23.0835, 14.5527

# Square

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



34.8197, 23.0835, 21.6891



20.7018, 23.0835, 5.0037



12.7073, 23.0835, 28.9256



23.2270, 23.0835, 71.3738



# Rectangle

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



34.8197, 23.0835, 21.6891



28.5927, 23.0835, 6.9162



12.7073, 23.0835, 28.9256



16.4089, 23.0835, 61.7798

# Sweetspot

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



34.8203, 23.0847, 21.6895



78.0659, 73.5201, 80.1531



34.2120, 21.8040, 65.3561



16.3332, 15.1552, 16.5032



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.



34.8203, 23.0847, 21.6895



47.8467, 28.3820, 22.9112



35.7417, 27.7266, 13.3671



12.5598, 12.4754, 13.6224



17.2592, 8.8400, 3.4029



1.0757, 0.5471, 0.3879



# Inverse Universe

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



34.8203, 23.0847, 21.6895



47.8467, 28.3820, 22.9112



34.0041, 42.3862, 69.3398



12.5598, 12.4754, 13.6224



17.2592, 8.8400, 3.4029



1.0757, 0.5471, 0.3879



# Previews

## White Background



This preview shows how the XYZ color 34.8197, 23.0835, 21.6891 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 34.8197, 23.0835, 21.6891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

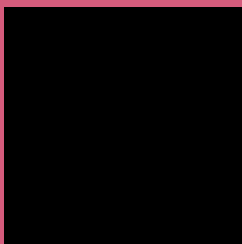
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.8197, 23.0835, 21.6891**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8197, 23.0835, 21.6891.



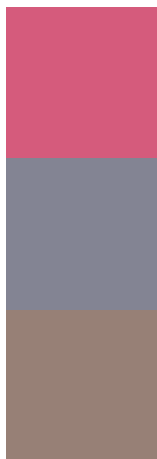
This preview shows how white text looks on a background with the XYZ color 34.8197, 23.0835,



# 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

34.8197, 23.0835, 21.6891

### Protanopia

22.8778, 23.4344, 30.9213

### Deuteranopia

23.7517, 23.3257, 20.3900



## Tritanopia

33.3545, 22.9926, 15.2504

# Trichromacy



## Original Color

34.8197, 23.0835, 21.6891

## Protanomaly

25.7194, 22.1637, 27.3486

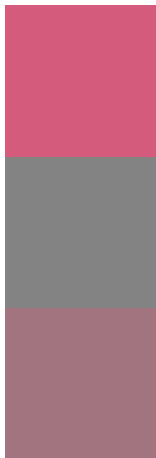
## Deuteranomaly

26.9765, 22.6162, 20.7128

## Tritanomaly

33.9686, 23.1282, 17.4257

# Monochromacy



## Original Color

34.8197, 23.0835, 21.6891

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

24.8396, 21.6264, 23.2872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8197, 23.0835, 21.6891 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, 91, 124)` looks like.

```
.text, #text, p{  
    color:rgb(213, 91, 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, 91, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 91, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8197, 23.0835, 21.6891 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, 91, 124) }
```



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

```
.border{ border-color:rgb(213, 91, 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, 91, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 91, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 91, 124);  
box-shadow:4px 4px 4px 4px rgb(213, 91,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8197, 23.0835, 21.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 91, 124) }
```

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

```
.background{ background-color: rgb(213, 91,  
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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