

# Converting Colors

XYZ(34.8920, 23.5546, 22.8409)

Have a look what the booklet for  
XYZ(34.8920, 23.5546, 22.8409)  
contains.

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# Color

**XYZ(34.7869, 23.5656,  
22.7938)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D35F7F
RGB	211, 95, 127
RGB Percent	83%, 37%, 50%
CMY	0.1725, 0.6274, 0.5020
CMYK	0.00, 0.55, 0.40, 0.17
HSL	343°, 57%, 60%
HSV	343°, 55%, 83%
XYZ	34.7869, 23.5656, 22.7938
YIQ	133.3320, 58.8640, 34.5440

# Conversions

## Conversions Part 2

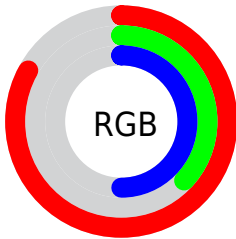
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 95, 127
Decimal	13852543
CIE <sub>Lab</sub>	55.65, 48.82, 4.78
CIE <sub>LCh</sub>	56, 49.050, 5.593
Yxy	23.5656, 0.4287, 0.2904
Android (android.graphics.Color)	4292042623 (0xFFD35F7F)
YUV	133.3320, -3.1217, 68.1148
Hunter-Lab	48.5444, 42.9603, 6.1417

# Details

The XYZ color **34.7869, 23.5656, 22.7938** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **36.1515, 52.2766, 50.8360**, and the grayscale version is **22.4121, 23.5793, 25.6779**.

A 20% lighter version of the original color is **60.2257, 46.0502, 48.8943**, and **15.2708, 8.8399, 8.1091** is the 20% darker color. If you saturate the color by 10%, you get **32.2156, 19.8976, 17.3905**, and if you desaturate by 10%, it is **38.0252, 28.3257, 29.1651**.

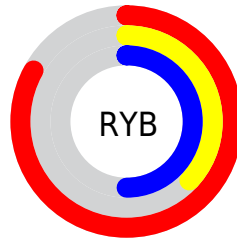
# Distribution



Red (83%)

Green (37%)

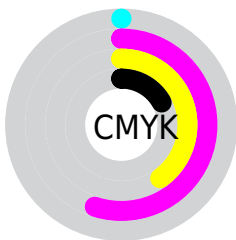
Blue (50%)



Red (83%)

Yellow (37%)

Blue (50%)

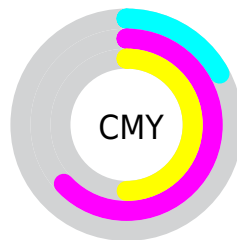


Cyan (0%)

Magenta (55%)

Yellow (40%)

Black (17%)



Cyan (17%)

Magenta (63%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7869, 23.5656, 22.7938 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 34.7869, 23.5656, 22.7938 by changing the saturation by 10% instead.





 34.7869, 23.5656,  
22.7938


 34.7869, 23.5656,  
22.7938


315.1512,  
270.6169, 279.7516


 23.6645, 15.0117,  
14.2375


 66.4917, 49.3204,  
48.9734


 15.2083, 8.8276,  
8.1454


 87.8048, 67.2901,  
67.4338

 9.0530, 4.6289,  
4.0990


 113.2456, 89.1671,  
90.0326

 4.8332, 2.0312,  
1.6798

 143.1793,  
115.3359, 117.1883

 2.1834, 0.6255,  
0.3468

177.9714,  
146.1809, 149.3195

 0.7340, 0.0000,  
0.0000

217.9872,

 0.0000, 0.0000,

182.0865, 186.8448

0.0000

263.5920,  
223.4370, 230.1827

■ 34.7869, 23.5656,  
22.7938

■ 34.7869, 23.5656,  
22.7938

■ 32.2156, 19.8976,  
17.3905

■ 38.0252, 28.3257,  
29.1651

■ 30.2599, 17.2302,  
12.9038

■ 41.9728, 34.2526,  
36.5491

■ 28.8638, 15.4626,  
9.2794

■ 46.6706, 41.4183,  
44.9892

■ 27.9590, 14.4712,  
6.4554

■ 52.1558, 49.8884,  
54.5258

■ 27.6327, 14.1564,  
5.3056

■ 58.4631, 59.7235,  
65.1972

■ 65.6251, 70.9804,  
77.0397

■ 73.6725, 83.7129,  
90.0879

■ 79.7604, 92.2235,  
103.4170

■ 80.6739, 92.5888,  
108.2272

# Harmonies

## Analogous

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



33.5900, 23.5656, 40.4737



34.7869, 23.5656, 22.7938



32.2456, 23.5656, 11.6642

# Triad

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



34.7869, 23.5656, 22.7938



16.7435, 23.5656, 7.9662



18.2717, 23.5656, 64.7677

# Complementary

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



34.7869, 23.5656, 22.7938



36.1515, 52.2766, 50.8360

# 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.



14.7928, 23.5656, 47.8756



34.7869, 23.5656, 22.7938



14.0179, 23.5656, 14.9883

# Square

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



34.7869, 23.5656, 22.7938



21.3743, 23.5656, 5.6775



13.3676, 23.5656, 28.7546



23.4547, 23.5656, 69.6808



# Rectangle

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



34.7869, 23.5656, 22.7938



28.9862, 23.5656, 7.8009



13.3676, 23.5656, 28.7546



16.8930, 23.5656, 60.0382

# Sweetspot

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



34.7875, 23.5668, 22.7942



78.9898, 74.9155, 81.8560



34.2418, 22.3698, 64.1409



16.5168, 15.4307, 16.8474



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.



34.7875, 23.5668, 22.7942



48.8660, 29.7247, 25.3962



35.6629, 28.1415, 14.3803



11.9408, 11.8611, 12.9641



16.7139, 8.5584, 3.3995



0.9684, 0.4921, 0.3683



# Inverse Universe

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



34.7875, 23.5668, 22.7942



48.8660, 29.7247, 25.3962



34.0090, 42.1986, 67.9805



11.9408, 11.8611, 12.9641



16.7139, 8.5584, 3.3995



0.9684, 0.4921, 0.3683



# Previews

## White Background



This preview shows how the XYZ color 34.7869, 23.5656, 22.7938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

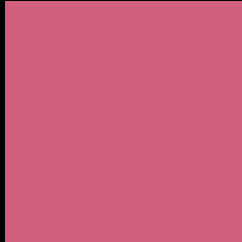
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.7869, 23.5656, 22.7938 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 34.7869, 23.5656, 22.7938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7869, 23.5656, 22.7938.



This preview shows how white text looks on a background with the XYZ color 34.7869, 23.5656,



# 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

34.7869, 23.5656, 22.7938

### Protanopia

23.3281, 23.8505, 31.8079

### Deuteranopia

24.1256, 23.6850, 21.7125



## Tritanopia

33.3579, 23.5196, 16.4173

# Trichromacy



## Original Color

34.7869, 23.5656, 22.7938

## Protanomaly

26.1025, 22.6938, 28.2039

## Deuteranomaly

27.2330, 23.0621, 22.0849

## Tritanomaly

33.9833, 23.6519, 18.6937

# Monochromacy



## Original Color

34.7869, 23.5656, 22.7938

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

25.3915, 22.4094, 24.4599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7869, 23.5656, 22.7938 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(211, 95, 127)` looks like.

```
.text, #text, p{  
  color:rgb(211, 95, 127)  
}
```

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(211, 95, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 95, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7869, 23.5656, 22.7938 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(211, 95, 127) }
```



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

```
.border{ border-color:rgb(211, 95, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 95, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 95, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 95, 127); box-shadow:4px 4px 4px 4px rgb(211, 95, 127) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7869, 23.5656, 22.7938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 95, 127) }
```

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

```
.background{ background-color: rgb(211, 95,  
127) }
```

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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