

Converting Colors

XYZ(37.0710, 23.9855, 29.7769)

Have a look what the booklet for
XYZ(37.0710, 23.9855, 29.7769)
contains.

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Color

**XYZ(37.1634, 23.9866,
29.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	D85A92
RGB	216, 90, 146
RGB Percent	85%, 35%, 57%
CMY	0.1529, 0.6470, 0.4274
CMYK	0.00, 0.58, 0.32, 0.15
HSL	333°, 62%, 60%
HSV	333°, 58%, 85%
XYZ	37.1634, 23.9866, 29.8653
YIQ	134.0580, 57.1200, 44.1280

Conversions

Conversions Part 2

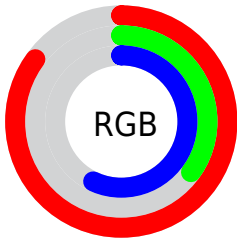
Format	Color
R _Y B	216, 90, 146
Decimal	14178962
CIE Lab	56.07, 54.95, -5.68
CIE LCh	56, 55.247, 354.098
Yxy	23.9866, 0.4083, 0.2635
Android (android.graphics.Color)	4292369042 (0xFFD85A92)
YUV	134.0580, 5.8874, 71.8631
Hunter-Lab	48.9761, 49.7388, -1.8714

Details

The XYZ color **37.1634, 23.9866, 29.8653** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **35.1188, 53.8242, 41.7989**, and the grayscale version is **22.6466, 23.8260, 25.9465**.

A 20% lighter version of the original color is **61.7907, 45.6809, 60.2042**, and **16.5059, 8.9926, 11.9321** is the 20% darker color. If you saturate the color by 10%, you get **34.7139, 20.5039, 24.6823**, and if you desaturate by 10%, it is **40.2415, 28.5695, 35.7418**.

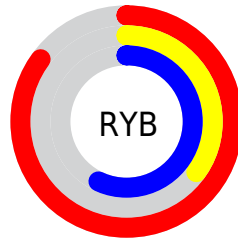
Distribution



Red (85%)

Green (35%)

Blue (57%)



Red (85%)

Yellow (35%)

Blue (57%)

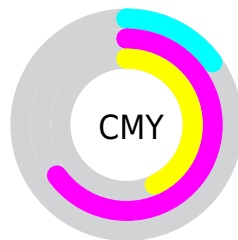


Cyan (0%)

Magenta (58%)

Yellow (32%)

Black (15%)



Cyan (15%)


Magenta (65%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1634, 23.9866, 29.8653 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 37.1634, 23.9866, 29.8653 by changing the saturation by 10% instead.

 37.1634, 23.9866,
29.8653

 37.1634, 23.9866,
29.8653


325.3607,
272.7527, 315.4638


 25.5083, 15.3237,
19.4852


 70.1362, 50.0083,
60.5076


 16.5869, 9.0469,
11.8410


 92.1846, 68.1359,
81.6068

 10.0339, 4.7718,
6.5143


 118.4282, 90.1872,
107.1162

 5.4839, 2.1140,
3.0865

 149.2323,
116.5466, 137.4542

 2.5715, 0.6725,
1.1389

184.9622,
147.5984, 173.0395

 0.9315, 0.0000,
0.0000

225.9833,

 0.0000, 0.0000,

183.7271, 214.2905

0.0000

272.6610,
225.3171, 261.6257

■ 37.1634, 23.9866,
29.8653

■ 37.1634, 23.9866,
29.8653

■ 34.7139, 20.5039,
24.6823

■ 40.2415, 28.5695,
35.7418

■ 32.8406, 18.0217,
20.1598

■ 43.9908, 34.3332,
42.3395

■ 31.4854, 16.4289,
16.2631

■ 48.4520, 41.3550,
49.6859

■ 30.5626, 15.5591,
12.9472

■ 53.6622, 49.7047,
57.8064

■ 30.4300, 15.4434,
12.4420

■ 59.6557, 59.4468,
66.7250

■ 66.4646, 70.6416,
76.4647

■ 74.1193, 83.3458,
87.0473

■ 80.1068, 92.5301,
97.6467

■ 81.9693, 93.2751,
107.4546

Harmonies

Analogous

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



34.1382, 23.9866, 52.3319



37.1634, 23.9866, 29.8653



35.8014, 23.9866, 14.3201

Triad

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



37.1634, 23.9866, 29.8653



18.1842, 23.9866, 5.4783



16.3841, 23.9866, 65.7148

Complementary

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



37.1634, 23.9866, 29.8653



35.1188, 53.8242, 41.7989

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.



13.4004, 23.9866, 43.0781



37.1634, 23.9866, 29.8653



14.2973, 23.9866, 10.5533

Square

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



37.1634, 23.9866, 29.8653



24.0722, 23.9866, 4.5321



12.7139, 23.9866, 22.6968



21.5706, 23.9866, 78.3482

Rectangle

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



37.1634, 23.9866, 29.8653



32.6964, 23.9866, 8.6029



12.7139, 23.9866, 22.6968



15.1317, 23.9866, 58.6310

Sweetspot

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



37.1641, 23.9878, 29.8657



79.1079, 73.9369, 85.6406



30.4098, 19.6734, 67.1605



16.5778, 15.2530, 17.7915



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.



37.1641, 23.9878, 29.8657



49.8453, 28.8925, 34.3261



34.3756, 23.7591, 12.4486



12.6503, 12.5116, 14.0987



18.0640, 9.1619, 7.6408



1.1308, 0.5691, 0.6783

Inverse Universe

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



37.1641, 23.9878, 29.8657



49.8453, 28.8925, 34.3261



39.5846, 53.0773, 73.1245



12.6503, 12.5116, 14.0987



18.0640, 9.1619, 7.6408



1.1308, 0.5691, 0.6783

Previews

White Background



This preview shows how the XYZ color 37.1634, 23.9866, 29.8653 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 37.1634, 23.9866, 29.8653 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 37.1634, 23.9866, 29.8653

Background



This preview shows how black text looks on a background with the XYZ color 37.1634, 23.9866, 29.8653.



This preview shows how white text looks on a background with the XYZ color 37.1634, 23.9866,

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

37.1634, 23.9866, 29.8653

Protanopia

24.3397, 24.1161, 43.4164

Deuteranopia

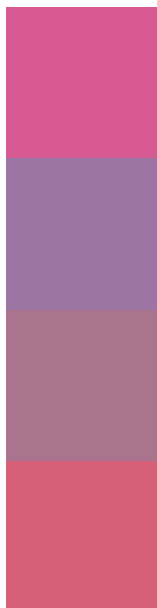
24.7040, 24.2370, 28.1871



Tritanopia

34.4522, 24.0897, 16.1986

Trichromacy



Original Color

37.1634, 23.9866, 29.8653

Protanomaly

26.9668, 22.5710, 38.0573

Deuteranomaly

27.9225, 23.1017, 28.5786

Tritanomaly

35.3046, 24.0179, 20.5445

Monochromacy



Original Color

37.1634, 23.9866, 29.8653

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

26.3757, 22.6844, 27.0331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1634, 23.9866, 29.8653 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(216, 90, 146)` looks like.

```
.text, #text, p{  
  color:rgb(216, 90, 146)  
}
```

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(216, 90, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 90, 146) }
```

Border

The CSS property to change the border of an element to XYZ 37.1634, 23.9866, 29.8653 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(216, 90, 146) }
```


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

```
.border{ border-color:rgb(216, 90, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 90, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 90, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 90, 146);  
box-shadow:4px 4px 4px 4px rgb(216, 90,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1634, 23.9866, 29.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 90, 146) }
```

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

```
.background{ background-color: rgb(216, 90,  
146) }
```

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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