

Converting Colors

XYZ(37.2893, 23.3504, 73.0627)

Have a look what the booklet for
XYZ(37.2893, 23.3504, 73.0627)
contains.

XYZ(37.2893, 23.3504, 73.0627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2893, 23.3504,
73.0627)**

Conversions

Conversions Part 1

Format	Color
Hex	B95CE0
RGB	185, 92, 224
RGB Percent	73%, 36%, 88%
CMY	0.2745, 0.6392, 0.1216
CMYK	0.17, 0.59, 0.00, 0.12
HSL	282°, 68%, 62%
HSV	282°, 59%, 88%
XYZ	37.2893, 23.3504, 73.0627
YIQ	134.8550, 13.0560, 60.7680

Conversions

Conversions Part 2

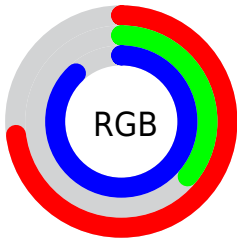
Format	Color
R_{YB}	185, 92, 224
Decimal	12147936
CIE _{Lab}	55.43, 58.14, -51.94
CIE _{LCh}	55, 77.958, 318.224
Yxy	23.3504, 0.2789, 0.1746
Android (android.graphics.Color)	4290338016 (0xFFB95CE0)
YUV	134.8550, 43.9485, 43.9772
Hunter-Lab	48.3223, 53.1809, -55.8202

Details

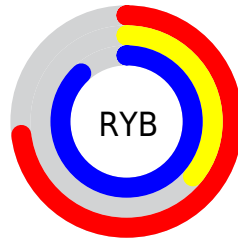
The XYZ color **37.2893, 23.3504, 73.0627** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **37.9480, 58.9098, 19.4967**, and the grayscale version is **22.8154, 24.0035, 26.1399**.

A 20% lighter version of the original color is **65.6371, 47.0109, 100.2223**, and **16.6008, 8.6781, 37.8459** is the 20% darker color. If you saturate the color by 10%, you get **34.0685, 19.2232, 72.4362**, and if you desaturate by 10%, it is **41.1598, 28.6647, 73.8849**.

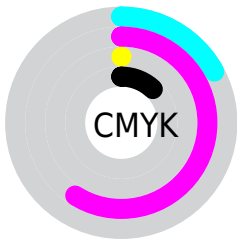
Distribution



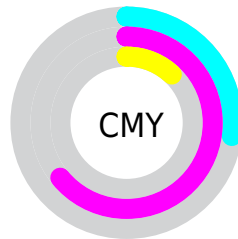
- Red (73%)
- Green (36%)
- Blue (88%)



- Red (73%)
- Yellow (36%)
- Blue (88%)



- Cyan (17%)
- Magenta (59%)
- Yellow (0%)
- Black (12%)



- Cyan (27%)
- Magenta (64%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2893, 23.3504, 73.0627 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 37.2893, 23.3504, 73.0627 by changing the saturation by 10% instead.

37.2893, 23.3504,
73.0627

37.2893, 23.3504,
73.0627

325.8952,
269.5196, 490.3087

25.6063, 14.8525,
53.5351

70.3285, 48.9680,
125.2880

16.6604, 8.7159,
37.8395

92.4153, 66.8565,
158.8227

10.0865, 4.5563,
25.5573

118.7007, 88.6440,
197.8636

5.5191, 1.9894,
16.2699

149.5502,
114.7148, 242.8291

2.5928, 0.6013,
9.5589

185.3290,
145.4534, 294.1378

0.9423, 0.0000,
5.0058

226.4026,

0.0000, 0.0000,

181.2441, 352.2083

2.1918

273.1362,
222.4714, 417.4591

■ 0.0000, 0.0000,
0.6697

■ 0.0000, 0.0000,
0.0000

■ 37.2893, 23.3504,
73.0627

■ 37.2893, 23.3504,
73.0627

■ 34.0685, 19.2232,
72.4362

■ 41.1598, 28.6647,
73.8849

■ 31.4413, 16.1754,
71.9864

■ 45.7240, 35.2556,
74.9165

■ 29.3460, 14.0840,
71.6931

■ 51.0251, 43.2070,
76.1718

■ 27.6858, 12.7570,
71.5245

■ 57.1017, 52.5948,
77.6636

■ 27.5198, 12.6327,
71.5093

■ 63.9895, 63.4891,
79.4034

■ 71.7221, 75.9556,
81.4021

■ 80.3309, 90.0557,
83.6700

■ 84.4566, 95.0698,
84.4203

■ 86.7191, 96.2361,
84.5262

Harmonies

Analogous

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



27.8944, 23.3504, 104.3831



37.2893, 23.3504, 73.0627



43.1261, 23.3504, 36.6063

Triad

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



37.2893, 23.3504, 73.0627



25.8154, 23.3504, 1.3987



9.7234, 23.3504, 43.7094

Complementary

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



37.2893, 23.3504, 73.0627



37.9480, 58.9098, 19.4967

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.



9.4431, 23.3504, 16.7889



37.2893, 23.3504, 73.0627



17.3282, 23.3504, 1.6120

Square

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



37.2893, 23.3504, 73.0627



35.4265, 23.3504, 3.7412



11.8462, 23.3504, 4.9167



12.7504, 23.3504, 81.1014

Rectangle

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



37.2893, 23.3504, 73.0627



43.4093, 23.3504, 19.1251



11.8462, 23.3504, 4.9167



9.3408, 23.3504, 32.9747

Sweetspot

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



37.2902, 23.3513, 73.0632



77.3007, 71.6481, 104.3630



26.0661, 24.0523, 73.7901



16.0050, 14.4916, 22.2035



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.



37.2902, 23.3513, 73.0632



44.7200, 24.5991, 96.9988



44.7152, 27.5611, 56.1483



13.8801, 13.7217, 17.3047



16.1388, 7.4152, 41.6290



1.2070, 0.5595, 2.8896

Inverse Universe

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



38.6649, 25.1410, 24.2882



47.5450, 27.6947, 23.0693



34.3638, 56.9047, 26.4379



13.8730, 13.7668, 15.1015



18.5127, 9.4721, 4.0995



1.3217, 0.6719, 0.4868

Previews

White Background



This preview shows how the XYZ color 37.2893, 23.3504, 73.0627 looks on a white background.

Color Contrast Check

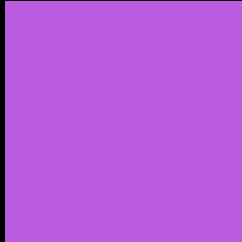
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2893, 23.3504, 73.0627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

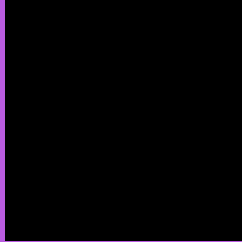
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2893, 23.3504, 73.0627

Background



This preview shows how black text looks on a background with the XYZ color 37.2893, 23.3504, 73.0627.

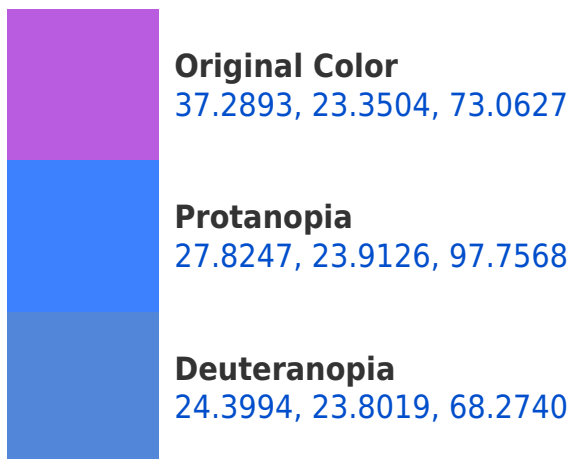


This preview shows how white text looks on a background with the XYZ color 37.2893, 23.3504,

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





Tritanopia

27.2877, 23.4101, 23.5025

Trichromacy



Original Color

37.2893, 23.3504, 73.0627



Protanomaly

28.5184, 22.0866, 88.3480



Deuteranomaly

26.9908, 22.2301, 69.8861



Tritanomaly

29.9840, 22.8117, 37.4731

Monochromacy



Original Color

37.2893, 23.3504, 73.0627



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.7087, 22.7560, 39.5439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2893, 23.3504, 73.0627 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(185, 92, 224)` looks like.

```
.text, #text, p{  
    color:rgb(185, 92, 224)  
}
```

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(185, 92, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 92, 224) }
```

Border

The CSS property to change the border of an element to XYZ 37.2893, 23.3504, 73.0627 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(185, 92, 224) }
```


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

```
.border{ border-color:rgb(185, 92, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 92, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 92, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 92, 224);  
box-shadow:4px 4px 4px 4px rgb(185, 92,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2893, 23.3504, 73.0627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 92, 224) }
```

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

```
.background{ background-color: rgb(185, 92,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor