

Converting Colors

XYZ(33.7551, 23.6265, 37.1455)

Have a look what the booklet for
XYZ(33.7551, 23.6265, 37.1455)
contains.

XYZ(33.7786, 23.7135, 36.9792)	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(33.7786, 23.7135,
36.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	C366A2
RGB	195, 102, 162
RGB Percent	76%, 40%, 64%
CMY	0.2353, 0.6000, 0.3647
CMYK	0.00, 0.48, 0.17, 0.24
HSL	321°, 44%, 58%
HSV	321°, 48%, 76%
XYZ	33.7786, 23.7135, 36.9792
YIQ	136.6470, 36.1680, 38.3760

Conversions

Conversions Part 2

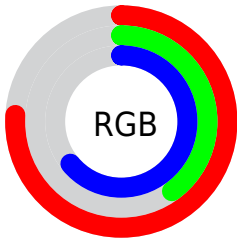
Format	Color
RYB	195, 102, 162
Decimal	12805794
CIELab	55.80, 44.68, -15.75
CIELCh	56, 47.376, 340.587
Yxy	23.7135, 0.3576, 0.2510
Android (android.graphics.Color)	4290995874 (0xFFC366A2)
YUV	136.6470, 12.4990, 51.1756
Hunter-Lab	48.6965, 38.5986, -10.9361

Details

The XYZ color **33.7786, 23.7135, 36.9792** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.3689, 43.6049, 29.7923**, and the grayscale version is **23.5903, 24.8189, 27.0277**.

A 20% lighter version of the original color is **64.9209, 49.6693, 71.8111**, and **14.6025, 8.8960, 15.6993** is the 20% darker color. If you saturate the color by 10%, you get **31.4845, 20.0825, 33.2628**, and if you desaturate by 10%, it is **36.5587, 28.2617, 41.0251**.

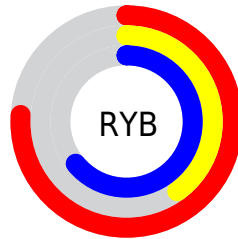
Distribution



Red (76%)

Green (40%)

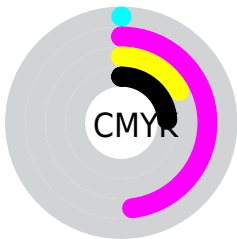
Blue (64%)



Red (76%)

Yellow (40%)

Blue (64%)

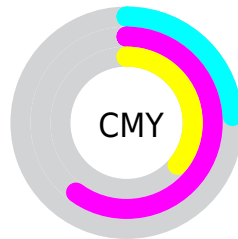


Cyan (0%)

Magenta (48%)

Yellow (17%)

Black (24%)



Cyan (24%)


Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7786, 23.7135, 36.9792 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 33.7786, 23.7135, 36.9792 by changing the saturation by 10% instead.


 33.7786, 23.7135,
36.9792


 33.7786, 23.7135,
36.9792


310.7470,
271.3688, 348.3864


 22.8856, 15.1212,
24.8957


 64.9358, 49.5623,
71.7268


 14.6293, 8.9045,
15.7811


 85.9308, 67.5876,
95.2279

 8.6443, 4.6790,
9.2167

 111.0238, 89.5260,
123.3721

 4.5651, 2.0602,
4.7841

 140.5802,
115.7619, 156.5778

 2.0266, 0.6421,
2.0646

174.9654,
146.6798, 195.2635

 0.6488, 0.0000,
0.5946

214.5447,

 0.0000, 0.0000,

182.6640, 239.8478

0.0000

259.6834,
224.0988, 290.7493

■ 33.7786, 23.7135,
36.9792

■ 33.7786, 23.7135,
36.9792

■ 31.4845, 20.0825,
33.2628

■ 36.5587, 28.2617,
41.0251

■ 29.6416, 17.3010,
29.8610

■ 39.8521, 33.7818,
45.4114

■ 28.2138, 15.2972,
26.7592


■ 43.6867, 40.3283,
50.1503


■ 27.1581, 13.9859,
23.9402


■ 48.0874, 47.9507,
55.2526


■ 26.4117, 13.2428,
21.3803


■ 53.0779, 56.6950,
60.7285

 26.2590, 13.1034,
20.8173

 58.6802, 66.6048,
66.5879

 64.9154, 77.7212,
72.8399

 70.8368, 88.1506,
79.1715

 71.7581, 88.5191,
84.0227

Harmonies

Analogous

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



29.9662, 23.7135, 55.5086



33.7786, 23.7135, 36.9792



34.3214, 23.7135, 20.7474

Triad

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



33.7786, 23.7135, 36.9792



20.6902, 23.7135, 6.2679



15.5568, 23.7135, 50.3070

Complementary

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



33.7786, 23.7135, 36.9792



29.3689, 43.6049, 29.7923

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.



13.8186, 23.7135, 31.6584



33.7786, 23.7135, 36.9792



16.4531, 23.7135, 9.2167

Square

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



33.7786, 23.7135, 36.9792



26.1573, 23.7135, 6.7387



14.1183, 23.7135, 17.1673



19.2707, 23.7135, 65.0842

Rectangle

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



33.7786, 23.7135, 36.9792



32.6753, 23.7135, 13.4825



14.1183, 23.7135, 17.1673



14.7511, 23.7135, 44.0324

Sweetspot

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



33.7793, 23.7146, 36.9797



80.8631, 76.7463, 92.9182



24.5223, 18.5579, 53.9196



17.3416, 16.1740, 19.9163



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.



33.7793, 23.7146, 36.9797



56.3174, 35.8571, 59.4504



30.4074, 22.3659, 19.2236



10.3406, 10.1849, 11.8843



17.1081, 8.5330, 13.7470



0.7710, 0.3814, 0.7614

Inverse Universe

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



33.7793, 23.7146, 36.9797



56.3174, 35.8571, 59.4504



33.3411, 45.1938, 50.7096



10.3406, 10.1849, 11.8843



17.1081, 8.5330, 13.7470



0.7710, 0.3814, 0.7614

Previews

White Background



This preview shows how the XYZ color 33.7786, 23.7135, 36.9792 looks on a white background.

Color Contrast Check

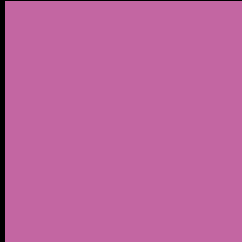
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7786, 23.7135, 36.9792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

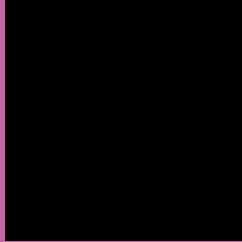
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7786, 23.7135, 36.9792

Background



This preview shows how black text looks on a background with the XYZ color 33.7786, 23.7135, 36.9792.



This preview shows how white text looks on a background with the XYZ color 33.7786, 23.7135,

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

33.7786, 23.7135, 36.9792

Protanopia

24.5107, 23.8852, 48.6658

Deuteranopia

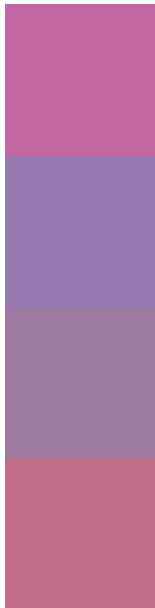
24.3554, 23.9012, 35.2280



Tritanopia

30.2494, 23.6479, 20.4230

Trichromacy



Original Color

33.7786, 23.7135, 36.9792

Protanomaly

26.7065, 23.0124, 44.1085

Deuteranomaly

26.8791, 23.1042, 35.8438

Tritanomaly

31.4740, 23.6809, 25.8337

Monochromacy



Original Color

33.7786, 23.7135, 36.9792

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.4965, 23.7597, 30.3837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7786, 23.7135, 36.9792 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(195, 102, 162)` looks like.

```
.text, #text, p{  
    color:rgb(195, 102, 162)  
}
```

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(195, 102, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 102, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.7786, 23.7135, 36.9792 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(195, 102, 162) }
```


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

```
.border{ border-color:rgb(195, 102, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 102, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 102, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 102, 162);  
box-shadow:4px 4px 4px 4px rgb(195, 102,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7786, 23.7135, 36.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 102, 162) }
```

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

```
.background{ background-color: rgb(195,  
102, 162) }
```

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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