

Converting Colors

XYZ(33.6771, 25.3508, 37.6656)

Have a look what the booklet for
XYZ(33.6771, 25.3508, 37.6656)
contains.

XYZ(33.7512, 25.4017, 37.7745)	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(33.7512, 25.4017,
37.7745)**

Conversions

Conversions Part 1

Format	Color
Hex	BE71A3
RGB	190, 113, 163
RGB Percent	75%, 44%, 64%
CMY	0.2549, 0.5568, 0.3608
CMYK	0.00, 0.41, 0.14, 0.25
HSL	321°, 37%, 59%
HSV	321°, 41%, 75%
XYZ	33.7512, 25.4017, 37.7745
YIQ	141.7230, 29.8420, 31.8740

Conversions

Conversions Part 2

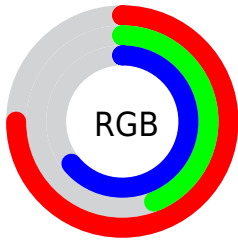
Format	Color
RYB	190, 113, 163
Decimal	12480931
CIELab	57.46, 37.41, -13.87
CIELCh	57, 39.898, 339.659
Yxy	25.4017, 0.3482, 0.2621
Android (android.graphics.Color)	4290671011 (0xFFBE71A3)
YUV	141.7230, 10.4896, 42.3389
Hunter-Lab	50.4001, 31.3351, -9.1573

Details

The XYZ color **33.7512, 25.4017, 37.7745** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.9582, 42.2319, 31.3853**, and the grayscale version is **25.5541, 26.8849, 29.2776**.

A 20% lighter version of the original color is **65.0025, 52.2909, 72.9968**, and **14.5835, 9.7438, 16.1510** is the 20% darker color. If you saturate the color by 10%, you get **31.2679, 21.3652, 34.0787**, and if you desaturate by 10%, it is **36.7112, 30.3406, 41.7849**.

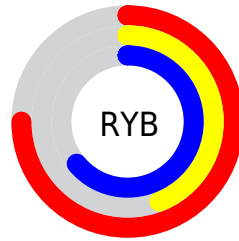
Distribution



Red (75%)

Green (44%)

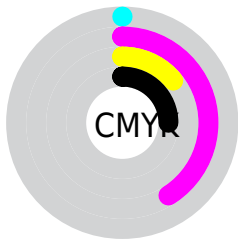
Blue (64%)



Red (75%)

Yellow (44%)

Blue (64%)

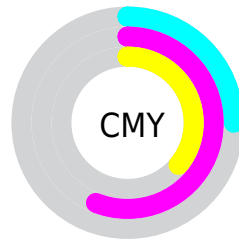


Cyan (0%)

Magenta (41%)

Yellow (14%)

Black (25%)



Cyan (25%)


Magenta (56%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7512, 25.4017, 37.7745 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 33.7512, 25.4017, 37.7745 by changing the saturation by 10% instead.


 33.7512, 25.4017,
37.7745


 33.7512, 25.4017,
37.7745


310.6267,
279.8326, 351.9208


 22.8645, 16.3766,
25.5072


 64.8934, 52.3082,
72.9620


 14.6136, 9.7910,
16.2329


 85.8797, 70.9583,
96.7192

 8.6332, 5.2606,
9.5330


 110.9632, 93.5855,
125.1436

 4.5579, 2.4010,
4.9889

 140.5093,
120.5743, 158.6536

 2.0224, 0.8264,
2.1821

174.8833,
152.3090, 197.6678

 0.6465, 0.0000,
0.6640

214.4507,

 0.0000, 0.0000,

189.1740, 242.6047

0.0000

259.5767,
231.5537, 293.8828

■ 33.7512, 25.4017,
37.7745

■ 33.7512, 25.4017,
37.7745

■ 31.2679, 21.3652,
34.0787

■ 36.7112, 30.3406,
41.7849

■ 29.2307, 18.1716,
30.6841

■ 40.1716, 36.2295,
46.1194

■ 27.6087, 15.7596,
27.5784


■ 44.1571, 43.1169,
50.7887


■ 26.3660, 14.0582,
24.7470


■ 48.6903, 51.0470,
55.8026


■ 25.4601, 12.9833,
22.1733


■ 53.7921, 60.0612,
61.1701

 24.8340, 12.3867,
19.9438

 59.4826, 70.1988,
66.9002

 65.7807, 81.4971,
73.0012

 69.4292, 87.4408,
78.3893

 70.3100, 87.7931,
83.0274

Harmonies

Analogous

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



30.4488, 25.4017, 53.0532



33.7512, 25.4017, 37.7745



34.3040, 25.4017, 23.5007

Triad

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



33.7512, 25.4017, 37.7745



22.6445, 25.4017, 9.0651



17.7773, 25.4017, 47.9167

Complementary

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



33.7512, 25.4017, 37.7745



29.9582, 42.2319, 31.3853

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.



16.2181, 25.4017, 32.2791



33.7512, 25.4017, 37.7745



18.7750, 25.4017, 12.0218

Square

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



33.7512, 25.4017, 37.7745



27.4568, 25.4017, 9.6771



16.5577, 25.4017, 19.5313



21.1082, 25.4017, 60.1150

Rectangle

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



33.7512, 25.4017, 37.7745



32.9740, 25.4017, 16.6362



16.5577, 25.4017, 19.5313



17.0497, 25.4017, 42.7118

Sweetspot

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



33.7520, 25.4029, 37.7750



78.7442, 75.9196, 90.5797



26.0073, 21.1004, 51.4177



17.0743, 16.2946, 19.6401



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7520, 25.4029, 37.7750



56.9624, 39.1980, 62.2256



30.8143, 24.2278, 22.3053



9.7840, 9.6379, 11.2515



16.5514, 8.2517, 13.4629



0.6782, 0.3352, 0.6847

Inverse Universe

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



33.7520, 25.4029, 37.7750



56.9624, 39.1980, 62.2256



33.3056, 43.5708, 49.0121



9.7840, 9.6379, 11.2515



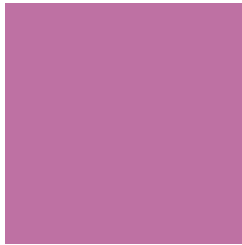
16.5514, 8.2517, 13.4629



0.6782, 0.3352, 0.6847

Previews

White Background



This preview shows how the XYZ color 33.7512, 25.4017, 37.7745 looks on a white background.

Color Contrast Check

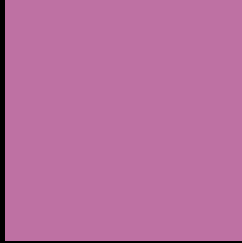
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7512, 25.4017, 37.7745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

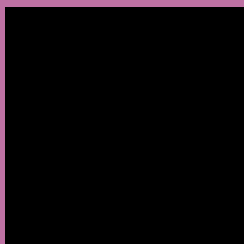
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7512, 25.4017, 37.7745

Background



This preview shows how black text looks on a background with the XYZ color 33.7512, 25.4017, 37.7745.



This preview shows how white text looks on a background with the XYZ color 33.7512, 25.4017,

37.7745.

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

33.7512, 25.4017, 37.7745

Protanopia

25.9363, 25.6986, 46.7734

Deuteranopia

26.0773, 25.5819, 36.3643



Tritanopia

30.9286, 25.4570, 24.0525

Trichromacy



Original Color

33.7512, 25.4017, 37.7745

Protanomaly

27.9368, 24.9784, 43.3933

Deuteranomaly

28.2326, 25.0877, 36.6121

Tritanomaly

31.6625, 25.2105, 28.3966

Monochromacy



Original Color

33.7512, 25.4017, 37.7745

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.9194, 25.8055, 32.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7512, 25.4017, 37.7745 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(190, 113, 163)` looks like.

```
.text, #text, p{  
    color:rgb(190, 113, 163)  
}
```

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(190, 113, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 113, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.7512, 25.4017, 37.7745 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(190, 113, 163) }
```


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

```
.border{ border-color:rgb(190, 113, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 113, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 113, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 113, 163); box-shadow:4px 4px 4px 4px rgb(190, 113, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7512, 25.4017, 37.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 113, 163) }
```

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

```
.background{ background-color: rgb(190,  
113, 163) }
```

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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