

Converting Colors

XYZ(32.7527, 23.8914, 40.9627)

Have a look what the booklet for
XYZ(32.7527, 23.8914, 40.9627)
contains.

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Color

**XYZ(32.7631, 23.8568,
40.9082)**

Conversions

Conversions Part 1

Format	Color
Hex	BA6BAA
RGB	186, 107, 170
RGB Percent	73%, 42%, 67%
CMY	0.2706, 0.5804, 0.3333
CMYK	0.00, 0.42, 0.09, 0.27
HSL	312°, 36%, 57%
HSV	312°, 42%, 73%
XYZ	32.7631, 23.8568, 40.9082
YIQ	137.8030, 26.8610, 36.3410

Conversions

Conversions Part 2

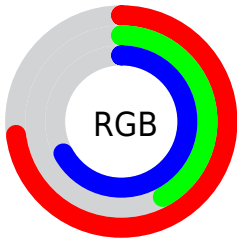
Format	Color
RYB	186, 107, 170
Decimal	12217258
CIELab	55.94, 40.47, -20.27
CIELCh	56, 45.268, 333.393
Yxy	23.8568, 0.3359, 0.2446
Android (android.graphics.Color)	4290407338 (0xFFBA6BAA)
YUV	137.8030, 15.8731, 42.2688
Hunter-Lab	48.8434, 34.2579, -15.4672

Details

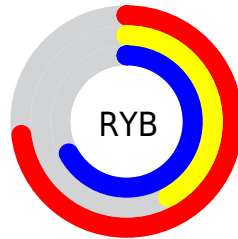
The XYZ color **32.7631, 23.8568, 40.9082** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **27.1985, 39.6745, 24.9650**, and the grayscale version is **24.0175, 25.2683, 27.5171**.

A 20% lighter version of the original color is **63.1236, 49.6325, 77.4872**, and **14.0443, 8.9616, 18.1291** is the 20% darker color. If you saturate the color by 10%, you get **30.6773, 20.2470, 38.4799**, and if you desaturate by 10%, it is **35.2777, 28.3070, 43.5303**.

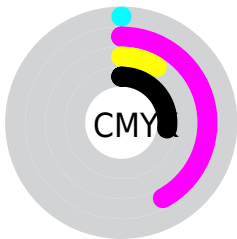
Distribution



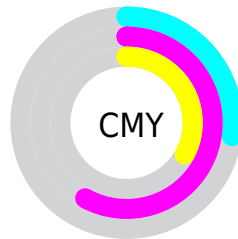
- Red (73%)
- Green (42%)
- Blue (67%)



- Red (73%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (42%)
- Yellow (9%)
- Black (27%)



- Cyan (27%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7631, 23.8568, 40.9082 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 32.7631, 23.8568, 40.9082 by changing the saturation by 10% instead.

■ 32.7631, 23.8568,
40.9082

■ 32.7631, 23.8568,
40.9082

306.2648,
272.0957, 365.6021

■ 22.1034, 15.2274,
27.9282

■ 63.3627, 49.7964,
77.7967

■ 14.0499, 8.9792,
18.0330

■ 84.0332, 67.8755,
102.5422

■ 8.2373, 4.7276,
10.8040

■ 108.7714, 89.8732,
132.0467

■ 4.3003, 2.0883,
5.8227

■ 137.9426,
116.1740, 166.7287

■ 1.8734, 0.6581,
2.6705

171.9122,
147.1622, 207.0067

■ 0.5613, 0.0000,
0.9285

211.0456,

■ 0.0000, 0.0000,

183.2223, 253.2992

0.0000

255.7080,
224.7387, 306.0248

■ 32.7631, 23.8568,
40.9082

■ 32.7631, 23.8568,
40.9082

■ 30.6773, 20.2470,
38.4799

■ 35.2777, 28.3070,
43.5303

■ 28.9910, 17.4204,
36.2344

■ 38.2435, 33.6436,
46.3535

■ 27.6746, 15.3175,
34.1619

■ 41.6841, 39.9130,
49.3861

■ 26.6935, 13.8693,
32.2502

■ 45.6206, 47.1577,
52.6356

■ 26.0062, 12.9931,
30.4852

■ 50.0730, 55.4172,
56.1091

■ 25.6212, 12.5877,
29.2323

■ 55.0602, 64.7292,
59.8132

■ 60.5998, 75.1291,
63.7543

■ 66.4515, 86.1359,
67.8526

■ 66.8978, 86.3144,
70.2026

Harmonies

Analogous

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



28.5915, 23.8568, 57.6902



32.7631, 23.8568, 40.9082



34.1027, 23.8568, 24.3287

Triad

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



32.7631, 23.8568, 40.9082



22.0925, 23.8568, 6.6729



15.3537, 23.8568, 44.9832

Complementary

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



32.7631, 23.8568, 40.9082



27.1985, 39.6745, 24.9650

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.



14.1367, 23.8568, 27.6960



32.7631, 23.8568, 40.9082



17.6371, 23.8568, 8.7316

Square

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



32.7631, 23.8568, 40.9082



27.4197, 23.8568, 7.9428



14.9049, 23.8568, 15.2074



18.5122, 23.8568, 60.6034

Rectangle

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



32.7631, 23.8568, 40.9082



33.0648, 23.8568, 16.2414



14.9049, 23.8568, 15.2074



14.7277, 23.8568, 38.9829

Sweetspot

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



32.7639, 23.8579, 40.9087



75.0595, 71.4383, 89.0918



22.2616, 18.2581, 48.8057



16.2106, 15.1491, 19.3445



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.7639, 23.8579, 40.9087



55.8191, 37.0660, 70.0124



29.5848, 22.5863, 24.1678



9.3009, 9.1307, 10.9318



17.2643, 8.4795, 19.8102



0.6287, 0.3069, 0.8039

Inverse Universe

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



32.7639, 23.8579, 40.9087



55.8191, 37.0660, 70.0124



30.1715, 40.8637, 40.6206



9.3009, 9.1307, 10.9318



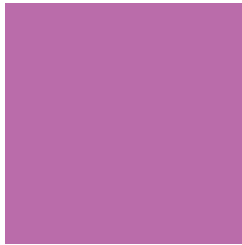
17.2643, 8.4795, 19.8102



0.6287, 0.3069, 0.8039

Previews

White Background



This preview shows how the XYZ color 32.7631, 23.8568, 40.9082 looks on a white background.

Color Contrast Check

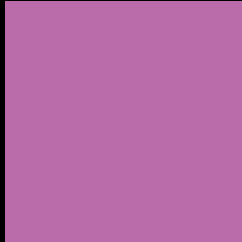
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7631, 23.8568, 40.9082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

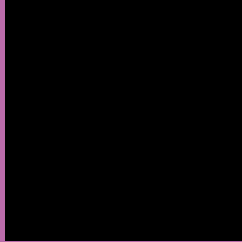
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7631, 23.8568, 40.9082

Background



This preview shows how black text looks on a background with the XYZ color 32.7631, 23.8568, 40.9082.



This preview shows how white text looks on a background with the XYZ color 32.7631, 23.8568,

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

32.7631, 23.8568, 40.9082

Protanopia

24.9090, 24.2311, 51.5083

Deuteranopia

24.6499, 24.1612, 39.4408



Tritanopia

29.0031, 23.7952, 22.4663

Trichromacy



Original Color

32.7631, 23.8568, 40.9082

Protanomaly

26.8065, 23.5435, 47.3875

Deuteranomaly

27.0069, 23.6313, 39.6971

Tritanomaly

30.2413, 23.8006, 28.1994

Monochromacy



Original Color

32.7631, 23.8568, 40.9082

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.6120, 24.3493, 32.1514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7631, 23.8568, 40.9082 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(186, 107, 170)` looks like.

```
.text, #text, p{  
    color:rgb(186, 107, 170)  
}
```

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(186, 107, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 107, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.7631, 23.8568, 40.9082 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(186, 107, 170) }
```


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

```
.border{ border-color:rgb(186, 107, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 107, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 107, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 107, 170);  
box-shadow:4px 4px 4px 4px rgb(186, 107,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7631, 23.8568, 40.9082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 107, 170) }
```

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

```
.background{ background-color: rgb(186,  
107, 170) }
```

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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