

Converting Colors

XYZ(33.7376, 24.6418, 28.8854)

Have a look what the booklet for
XYZ(33.7376, 24.6418, 28.8854)
contains.

| | |
|--|----|
| XYZ(33.7688, 24.6407, 28.9629) | 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(33.7688, 24.6407,
28.9629)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C76B8F |
| RGB | 199, 107, 143 |
| RGB Percent | 78%, 42%, 56% |
| CMY | 0.2196, 0.5804, 0.4392 |
| CMYK | 0.00, 0.46, 0.28, 0.22 |
| HSL | 337°, 45%, 60% |
| HSV | 337°, 46%, 78% |
| XYZ | 33.7688, 24.6407, 28.9629 |
| YIQ | 138.6120, 43.2760, 30.7000 |

Conversions

Conversions Part 2

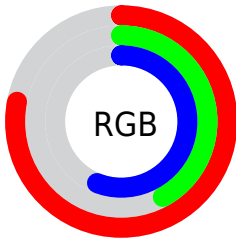
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 199, 107, 143 |
| Decimal | 13069199 |
| CIE _{Lab} | 56.72, 40.67, -3.24 |
| CIE _{LCh} | 57, 40.795, 355.446 |
| Yxy | 24.6407, 0.3865, 0.2820 |
| Android (android.graphics.Color) | 4291259279 (0xFFC76B8F) |
| YUV | 138.6120, 2.1633, 52.9603 |
| Hunter-Lab | 49.6394, 34.5614, 0.1539 |

Details

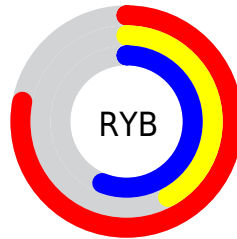
The XYZ color **33.7688, 24.6407, 28.9629** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.0989, 46.6176, 41.9064**, and the grayscale version is **24.3726, 25.6419, 27.9240**.

A 20% lighter version of the original color is **63.8888, 50.4328, 59.1905**, and **14.7176, 9.4583, 11.4059** is the 20% darker color. If you saturate the color by 10%, you get **31.0591, 20.6113, 23.7740**, and if you desaturate by 10%, it is **37.0564, 29.6669, 34.8339**.

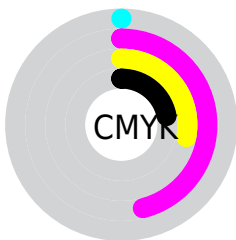
Distribution



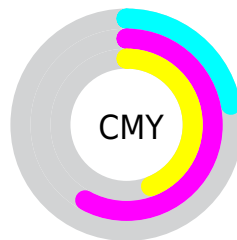
- Red (78%)
- Green (42%)
- Blue (56%)



- Red (78%)
- Yellow (42%)
- Blue (56%)



- Cyan (0%)
- Magenta (46%)
- Yellow (28%)
- Black (22%)





- Cyan (22%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7688, 24.6407, 28.9629 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 33.7688, 24.6407, 28.9629 by changing the saturation by 10% instead.

 33.7688, 24.6407,
28.9629


 33.7688, 24.6407,
28.9629


310.7040,
276.0438, 311.0953


 22.8781, 15.8096,
18.8074


 64.9207, 51.0737,
59.0596


 14.6237, 9.3895,
11.3558


 85.9125, 69.4444,
79.8379

 8.6403, 4.9961,
6.1895


 111.0021, 91.7638,
104.9943

 4.5625, 2.2450,
2.8900

 140.5548,
118.4161, 134.9472

 2.0250, 0.7443,
1.0388

174.9360,
149.7859, 170.1152

 0.6480, 0.0000,
0.0000

214.5111,

 0.0000, 0.0000,

186.2575, 210.9169

0.0000

259.6453,
228.2154, 257.7707

■ 33.7688, 24.6407,
28.9629

■ 33.7688, 24.6407,
28.9629

■ 31.0591, 20.6113,
23.7740

■ 37.0564, 29.6669,
34.8339

■ 28.8888, 17.5074,
19.2381

■ 40.9529, 35.7477,
41.4114

■ 27.2180, 15.2541,
15.3260


■ 45.4894, 42.9404,
48.7200


■ 25.9995, 13.7627,
12.0047

■ 50.6942, 51.2974,
56.7829


■ 25.1742, 12.9209,
9.2363


■ 56.5940, 60.8677,
65.6219

 24.9235, 12.6902,
8.3179

 63.2138, 71.6973,
75.2581

 70.5774, 83.8300,
85.7117

 75.0281, 89.9481,
95.7754

 76.8877, 90.6919,
105.5681

Harmonies

Analogous

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



31.7870, 24.6407, 44.5919



33.7688, 24.6407, 28.9629



32.6853, 24.6407, 17.0775

Triad

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



33.7688, 24.6407, 28.9629



19.7071, 24.6407, 9.4496



18.6074, 24.6407, 54.6925

Complementary

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



33.7688, 24.6407, 28.9629



33.0989, 46.6176, 41.9064

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.



16.0958, 24.6407, 39.7273



33.7688, 24.6407, 28.9629



16.6678, 24.6407, 14.5489

Square

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



33.7688, 24.6407, 28.9629



24.1538, 24.6407, 8.2761



15.4367, 24.6407, 24.8036



22.7017, 24.6407, 62.3157

Rectangle

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



33.7688, 24.6407, 28.9629



30.4389, 24.6407, 12.1608



15.4367, 24.6407, 24.8036



17.5730, 24.6407, 50.1510

Sweetspot

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



33.7695, 24.6419, 28.9634



81.3962, 77.9783, 88.0533



30.5086, 22.3427, 56.7375



17.0178, 16.0444, 18.2110



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.



33.7695, 24.6419, 28.9634



54.5626, 36.3527, 41.9860



32.4764, 25.7419, 17.1685



10.8028, 10.7045, 11.9450



16.0666, 8.1762, 5.5604



0.7962, 0.4013, 0.4498

Inverse Universe

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



33.7695, 24.6419, 28.9634



54.5626, 36.3527, 41.9860



34.7432, 43.9903, 60.6927



10.8028, 10.7045, 11.9450



16.0666, 8.1762, 5.5604



0.7962, 0.4013, 0.4498

Previews

White Background



This preview shows how the XYZ color 33.7688, 24.6407, 28.9629 looks on a white background.

Color Contrast Check

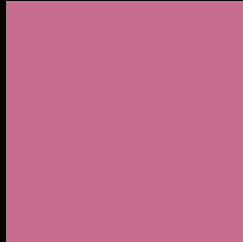
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7688, 24.6407, 28.9629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

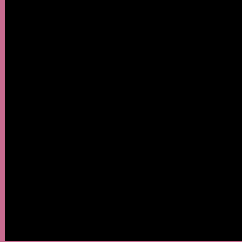
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7688, 24.6407, 28.9629

Background



This preview shows how black text looks on a background with the XYZ color 33.7688, 24.6407, 28.9629.



This preview shows how white text looks on a background with the XYZ color 33.7688, 24.6407,

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

33.7688, 24.6407, 28.9629

Protanopia

24.6127, 24.8067, 37.2092

Deuteranopia

25.3059, 24.7562, 27.8708



Tritanopia

32.1006, 24.5953, 20.8248

Trichromacy



Original Color

33.7688, 24.6407, 28.9629

Protanomaly

26.8767, 24.0682, 33.8009

Deuteranomaly

27.7529, 24.2749, 28.0337

Tritanomaly

32.7609, 24.7161, 23.4661

Monochromacy



Original Color

33.7688, 24.6407, 28.9629

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.0209, 24.6493, 28.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7688, 24.6407, 28.9629 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(199, 107, 143)` looks like.

```
.text, #text, p{  
    color:rgb(199, 107, 143)  
}
```

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(199, 107, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 107, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.7688, 24.6407, 28.9629 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(199, 107, 143) }
```


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

```
.border{ border-color:rgb(199, 107, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 107, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 107, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 107, 143);  
box-shadow:4px 4px 4px 4px rgb(199, 107,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7688, 24.6407, 28.9629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 107, 143) }
```

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

```
.background{ background-color: rgb(199,  
107, 143) }
```

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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