

Converting Colors

XYZ(32.3832, 15.6711, 47.7391)

Have a look what the booklet for
XYZ(32.3832, 15.6711, 47.7391)
contains.

XYZ(32.4161, 15.6873, 47.7738)	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(32.4161, 15.6873,
47.7738)**

Conversions

Conversions Part 1

Format	Color
Hex	C700BA
RGB	199, 0, 186
RGB Percent	78%, 0%, 73%
CMY	0.2196, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.07, 0.22
HSL	304°, 100%, 39%
HSV	304°, 100%, 78%
XYZ	32.4161, 15.6873, 47.7738
YIQ	80.7050, 58.8980, 100.0340

Conversions

Conversions Part 2

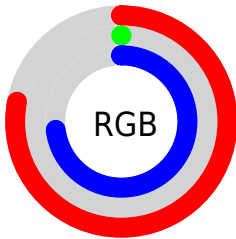
Format	Color
RYB	199, 0, 186
Decimal	13041850
CIELab	46.56, 79.67, -44.11
CIElCh	47, 91.070, 331.030
Yxy	15.6873, 0.3381, 0.1636
Android (android.graphics.Color)	4291231930 (0xFFC700BA)
YUV	80.7050, 51.9104, 103.7447
Hunter-Lab	39.6072, 76.7789, -43.7900

Details

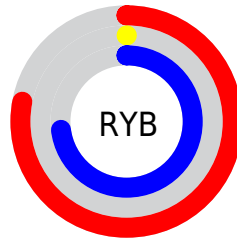
The XYZ color **32.4161, 15.6873, 47.7738** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **20.4968, 40.8766, 7.1915**, and the grayscale version is **7.6595, 8.0584, 8.7756**.

A 20% lighter version of the original color is **61.1587, 35.2132, 88.3674**, and **14.9801, 7.2414, 22.4380** is the 20% darker color. If you saturate the color by 10%, you get **32.4162, 15.6873, 47.7729**, and if you desaturate by 10%, it is **32.8042, 16.2408, 48.5884**.

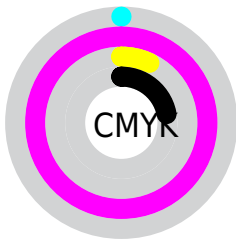
Distribution



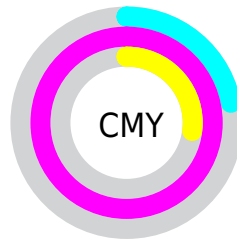
- Red (78%)
- Green (0%)
- Blue (73%)



- Red (78%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4161, 15.6873, 47.7738 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 32.4161, 15.6873, 47.7738 by changing the saturation by 10% instead.

 32.4161, 15.6873,
47.7738


 32.4161, 15.6873,
47.7738


304.7221,
227.4894, 394.3776

 21.8366, 9.3032,
33.2891


 62.8236, 36.0545,
88.2296


 13.8528, 4.9394,
22.0751


 83.3824, 50.8063,
115.0377

 8.0994, 2.2118,
13.7132


 107.9983, 69.1162,
146.7907

 4.2109, 0.7264,
7.7850

 137.0366, 91.3684,
183.9071

 1.8222, 0.0000,
3.8719

 170.8629,
117.9475, 226.8054

 0.5310, 0.0000,
1.5553

 209.8423,

 0.0000, 0.0000,

149.2377, 275.9043

0.2586

254.3402,
185.6236, 331.6222

■ 0.0000, 0.0000,
0.0000

■ 32.4161, 15.6873,
47.7738

■ 32.4161, 15.6873,
47.7738

■ 32.4162, 15.6873,
47.7729

■ 32.8042, 16.2408,
48.5884

■ 33.4485, 17.3052,
49.4945

■ 34.4386, 19.0591,
50.5222

■ 35.8212, 21.5959,
51.6869

■ 37.6358, 24.9947,
53.0019

■ 39.9169, 29.3246,
54.4787

■ 42.6958, 34.6479,
56.1277

■ 46.0009, 41.0216,
57.9584

■ 49.8584, 48.4982,
59.9797

Harmonies

Analogous

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



24.1318, 15.6873, 87.4440



32.4161, 15.6873, 47.7738



35.6887, 15.6873, 16.3151

Triad

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



32.4161, 15.6873, 47.7738



14.6405, 15.6873, 0.0000



5.3503, 15.6873, 50.4970

Complementary

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



32.4161, 15.6873, 47.7738



20.4968, 40.8766, 7.1915

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.



4.3323, 15.6873, 17.8701



32.4161, 15.6873, 47.7738



8.4001, 15.6873, 0.1566

Square

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



32.4161, 15.6873, 47.7738



23.4894, 15.6873, 0.0422



5.2143, 15.6873, 3.5269



8.7250, 15.6873, 89.7736

Rectangle

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



32.4161, 15.6873, 47.7738



33.9226, 15.6873, 5.7842



5.2143, 15.6873, 3.5269



4.7877, 15.6873, 37.7850

Sweetspot

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



32.4167, 15.6881, 47.7741



74.5156, 60.2024, 98.1366



10.4341, 4.1886, 54.2919



15.4841, 11.9929, 20.7341



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.



32.4167, 15.6881, 47.7741



56.7224, 27.4530, 83.4593



25.3808, 12.8737, 10.7236



11.0520, 10.8042, 13.2573



20.8568, 10.0923, 30.7855



0.9968, 0.4816, 1.5064

Inverse Universe

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



32.4167, 15.6881, 47.7741



56.7224, 27.4530, 83.4593



23.2094, 41.9616, 21.4754



11.0520, 10.8042, 13.2573



20.8568, 10.0923, 30.7855



0.9968, 0.4816, 1.5064

Previews

White Background



This preview shows how the XYZ color 32.4161, 15.6873, 47.7738 looks on a white background.

Color Contrast Check

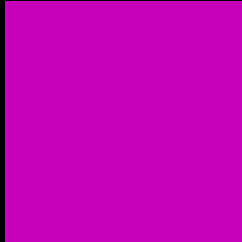
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.4161, 15.6873, 47.7738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

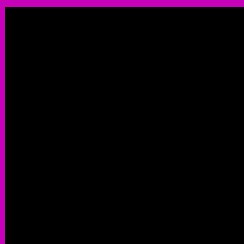
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.4161, 15.6873, 47.7738

Background



This preview shows how black text looks on a background with the XYZ color 32.4161, 15.6873, 47.7738.



This preview shows how white text looks on a background with the XYZ color 32.4161, 15.6873,

47.7738.

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

32.4161, 15.6873, 47.7738

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.8403, 16.3890, 42.8332



Tritanopia

24.4967, 16.0065, 9.0062

Trichromacy



Original Color

32.4161, 15.6873, 47.7738



Protanomaly

16.9382, 10.4890, 64.7502



Deuteranomaly

18.5583, 11.9721, 43.9805



Tritanomaly

25.9261, 14.4448, 18.2513

Monochromacy



Original Color

32.4161, 15.6873, 47.7738



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.8699, 8.0730, 18.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4161, 15.6873, 47.7738 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, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 186)  
}
```

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, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 32.4161, 15.6873, 47.7738 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, 0, 186) }
```


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

```
.border{ border-color:rgb(199, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4161, 15.6873, 47.7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 186) }
```

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

```
.background{ background-color: rgb(199, 0,  
186) }
```

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