

Converting Colors

XYZ(32.2046, 15.0275, 49.9423)

Have a look what the booklet for
XYZ(32.2046, 15.0275, 49.9423)
contains.

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Color

**XYZ(32.5830, 15.7235,
50.0328)**

Conversions

Conversions Part 1

Format	Color
Hex	C600BE
RGB	198, 0, 190
RGB Percent	78%, 0%, 75%
CMY	0.2235, 0.9999, 0.2549
CMYK	0.00, 1.00, 0.04, 0.22
HSL	302°, 100%, 39%
HSV	302°, 100%, 78%
XYZ	32.5830, 15.7235, 50.0328
YIQ	80.8620, 57.0180, 101.0660

Conversions

Conversions Part 2

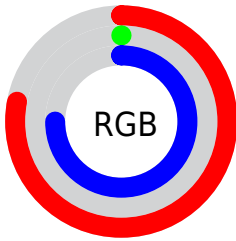
Format	Color
R_{YB}	198, 0, 190
Decimal	12976318
CIE _{Lab}	46.61, 80.07, -46.39
CIE _{LCh}	47, 92.533, 329.914
Yxy	15.7235, 0.3313, 0.1599
Android (android.graphics.Color)	4291166398 (0xFFC600BE)
YUV	80.8620, 53.8050, 102.7300
Hunter-Lab	39.6529, 77.2820, -47.0533

Details

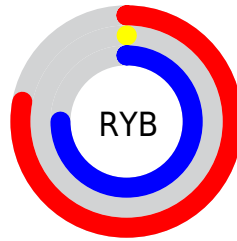
The XYZ color **32.5830, 15.7235, 50.0328** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed rose. A complement of this color would be **20.2387, 40.4065, 6.9631**, and the grayscale version is **7.6867, 8.0870, 8.8067**.

A 20% lighter version of the original color is **61.7696, 35.4576, 91.5841**, and **15.0914, 7.2665, 23.8997** is the 20% darker color. If you saturate the color by 10%, you get **32.5832, 15.7236, 50.0324**, and if you desaturate by 10%, it is **32.9182, 16.2530, 50.5773**.

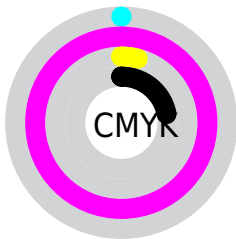
Distribution



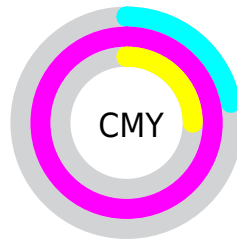
- Red (78%)
- Green (0%)
- Blue (75%)



- Red (78%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5830, 15.7235, 50.0328 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 32.5830, 15.7235, 50.0328 by changing the saturation by 10% instead.

 32.5830, 15.7235,
50.0328


 32.5830, 15.7235,
50.0328


305.4648,
227.7046, 403.5329

 21.9649, 9.3287,
35.0681


 63.0830, 36.1175,
91.6203


 13.9476, 4.9562,
23.4314


 83.6956, 50.8855,
119.0801


 8.1657, 2.2216,
14.7041


 108.3704, 69.2134,
151.5421

 4.2538, 0.7317,
8.4676

 137.4727, 91.4856,
189.4248

 1.8467, 0.0000,
4.3036

 171.3680,
118.0863, 233.1467

 0.5456, 0.0000,
1.7933

 210.4215,

 0.0000, 0.0000,

149.4002, 283.1263

0.4235

254.9987,
185.8115, 339.7822

■ 0.0000, 0.0000,
0.0000

■ 32.5830, 15.7235,
50.0328

■ 32.5830, 15.7235,
50.0328

■ 32.5832, 15.7236,
50.0324

■ 32.9182, 16.2530,
50.5773

■ 33.5056, 17.2866,
51.2082

■ 34.4340, 19.0016,
51.9552

■ 35.7496, 21.4901,
52.8336

■ 37.4913, 24.8300,
53.8564

■ 39.6933, 29.0899,
55.0350

■ 42.3864, 34.3311,
56.3798

■ 45.5987, 40.6099,
57.8999

■ 49.3562, 47.9783,
59.6042

Harmonies

Analogous

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



23.9967, 15.7235, 90.6566



32.5830, 15.7235, 50.0328



36.1908, 15.7235, 17.1863

Triad

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



32.5830, 15.7235, 50.0328



14.9678, 15.7235, 0.0000



5.1878, 15.7235, 49.7995

Complementary

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



32.5830, 15.7235, 50.0328



20.2387, 40.4065, 6.9631

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.



4.2406, 15.7235, 17.0543



32.5830, 15.7235, 50.0328



8.5145, 15.7235, 0.0109

Square

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



32.5830, 15.7235, 50.0328



24.0515, 15.7235, 0.0206



5.1992, 15.7235, 3.1754



8.4871, 15.7235, 90.4563

Rectangle

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



32.5830, 15.7235, 50.0328



34.5584, 15.7235, 6.0766



5.1992, 15.7235, 3.1754



4.6500, 15.7235, 36.9205

Sweetspot

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



32.5836, 15.7243, 50.0331



74.8162, 60.3226, 99.7195



10.2764, 4.1206, 53.6806



15.5573, 12.0222, 21.1193



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.



32.5836, 15.7243, 50.0331



57.6748, 27.8339, 88.4745



25.2393, 12.7865, 11.3584



11.0639, 10.8089, 13.3196



21.1973, 10.2285, 32.5786



1.0096, 0.4867, 1.5736

Inverse Universe

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



32.5836, 15.7243, 50.0331



57.6748, 27.8339, 88.4745



22.7762, 41.4215, 20.3252



11.0639, 10.8089, 13.3196



21.1973, 10.2285, 32.5786



1.0096, 0.4867, 1.5736

Previews

White Background



This preview shows how the XYZ color 32.5830, 15.7235, 50.0328 looks on a white background.

Color Contrast Check

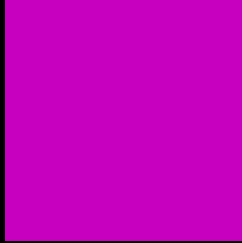
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5830, 15.7235, 50.0328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

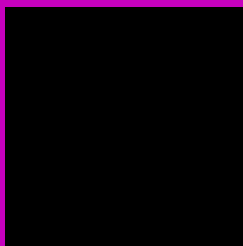
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5830, 15.7235, 50.0328

Background



This preview shows how black text looks on a background with the XYZ color 32.5830, 15.7235, 50.0328.



This preview shows how white text looks on a background with the XYZ color 32.5830, 15.7235,

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

32.5830, 15.7235, 50.0328

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.9435, 16.5608, 44.9514



Tritanopia

24.4209, 16.1615, 9.2295

Trichromacy



Original Color

32.5830, 15.7235, 50.0328



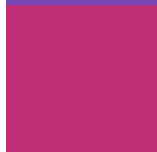
Protanomaly

17.0664, 10.5403, 65.4250



Deuteranomaly

18.6103, 12.0467, 46.1441



Tritanomaly

25.8726, 14.5222, 18.8922

Monochromacy



Original Color

32.5830, 15.7235, 50.0328



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9914, 8.1215, 18.9721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5830, 15.7235, 50.0328 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(198, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 190)  
}
```

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(198, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 32.5830, 15.7235, 50.0328 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(198, 0, 190) }
```


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

```
.border{ border-color:rgb(198, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5830, 15.7235, 50.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 190) }
```

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

```
.background{ background-color: rgb(198, 0,  
190) }
```

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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