

Converting Colors

XYZ(32.0080, 15.7612, 34.9077)

Have a look what the booklet for
XYZ(32.0080, 15.7612, 34.9077)
contains.

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Color

**XYZ(32.1651, 15.8386,
35.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00A1
RGB	207, 0, 161
RGB Percent	81%, 0%, 63%
CMY	0.1882, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.22, 0.19
HSL	313°, 100%, 41%
HSV	313°, 100%, 81%
XYZ	32.1651, 15.8386, 35.0801
YIQ	80.2470, 71.6910, 93.9550

Conversions

Conversions Part 2

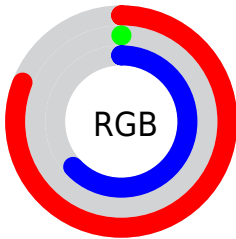
Format	Color
R_{YB}	207, 0, 161
Decimal	13566113
CIE _{Lab}	46.76, 77.91, -28.90
CIE _{LCh}	47, 83.094, 339.649
Yxy	15.8386, 0.3871, 0.1906
Android (android.graphics.Color)	4291756193 (0xFFCF00A1)
YUV	80.2470, 39.8112, 111.1624
Hunter-Lab	39.7977, 74.6202, -24.4033

Details

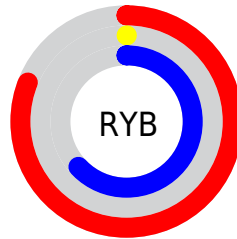
The XYZ color **32.1651, 15.8386, 35.0801** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.8072, 44.8235, 10.0383**, and the grayscale version is **7.5922, 7.9875, 8.6984**.

A 20% lighter version of the original color is **57.3758, 33.7000, 68.4465**, and **14.7929, 7.3072, 15.0987** is the 20% darker color. If you saturate the color by 10%, you get **32.1645, 15.8384, 35.0765**, and if you desaturate by 10%, it is **32.8419, 16.5307, 37.3446**.

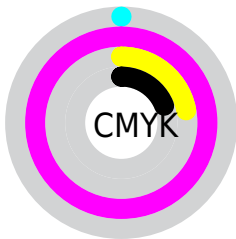
Distribution



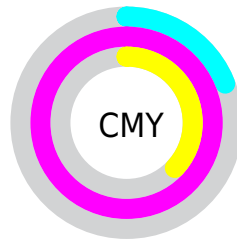
- Red (81%)
- Green (0%)
- Blue (63%)



- Red (81%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1651, 15.8386, 35.0801 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 32.1651, 15.8386, 35.0801 by changing the saturation by 10% instead.


 32.1651, 15.8386,
35.0801


 32.1651, 15.8386,
35.0801

303.6026,
228.3874, 339.8367


 21.6438, 9.4100,
23.4405


 62.4333, 36.3178,
68.7628

 13.7105, 5.0096,
14.7108


 82.9108, 51.1372,
91.6430


 8.0000, 2.2529,
8.4723


 107.4379, 69.5223,
119.1073

 4.1467, 0.7486,
4.3065

 136.3798, 91.8575,
151.5740

 1.7855, 0.0000,
1.7950

 170.1018,
118.5272, 189.4617

 0.5089, 0.0000,
0.4246

 208.9694,

 0.0000, 0.0000,

149.9159, 233.1891

0.0000

253.3479,
186.4078, 283.1746

■ 32.1651, 15.8386,
35.0801

■ 32.1651, 15.8386,
35.0801

■ 32.1645, 15.8384,
35.0765

■ 32.8419, 16.5307,
37.3446

■ 33.8151, 17.7916,
39.7823

■ 35.1807, 19.8129,
42.4260

■ 36.9905, 22.6980,
45.2937

■ 39.2882, 26.5339,
48.4006

■ 42.1120, 31.3971,
51.7604

■ 45.4965, 37.3563,
55.3852

■ 49.4732, 44.4742,
59.2861

■ 54.0711, 52.8088,
63.4737

Harmonies

Analogous

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



25.7536, 15.8386, 69.4855



32.1651, 15.8386, 35.0801



33.2889, 15.8386, 11.4071

Triad

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



32.1651, 15.8386, 35.0801



12.8467, 15.8386, 0.0000



6.7001, 15.8386, 57.0444

Complementary

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



32.1651, 15.8386, 35.0801



22.8072, 44.8235, 10.0383

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.



5.1016, 15.8386, 24.7980



32.1651, 15.8386, 35.0801



7.8242, 15.8386, 1.1777

Square

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



32.1651, 15.8386, 35.0801



20.4121, 15.8386, 0.1900



5.4341, 15.8386, 6.7904



10.7268, 15.8386, 87.7463

Rectangle

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



32.1651, 15.8386, 35.0801



30.6143, 15.8386, 4.1129



5.4341, 15.8386, 6.7904



5.9302, 15.8386, 45.3087

Sweetspot

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



32.1656, 15.8394, 35.0804



72.6923, 59.4730, 88.5348



12.3398, 5.0609, 59.3581



15.0427, 11.8163, 18.4096



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.



32.1656, 15.8394, 35.0804



51.4704, 25.3522, 55.8026



26.5136, 13.5786, 5.3173



12.1936, 11.9622, 14.2955



20.3019, 9.9936, 22.2939



1.1636, 0.5701, 1.3962

Inverse Universe

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



32.1656, 15.8394, 35.0804



51.4704, 25.3522, 55.8026



27.6872, 46.7755, 35.7361



12.1936, 11.9622, 14.2955



20.3019, 9.9936, 22.2939



1.1636, 0.5701, 1.3962

Previews

White Background



This preview shows how the XYZ color 32.1651, 15.8386, 35.0801 looks on a white background.

Color Contrast Check

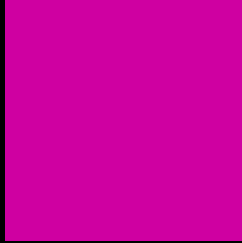
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1651, 15.8386, 35.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

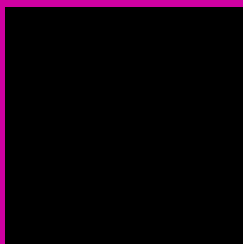
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1651, 15.8386, 35.0801

Background



This preview shows how black text looks on a background with the XYZ color 32.1651, 15.8386, 35.0801.



This preview shows how white text looks on a background with the XYZ color 32.1651, 15.8386,

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

32.1651, 15.8386, 35.0801

Protanopia

20.0375, 16.8140, 76.3181

Deuteranopia

16.8639, 16.4868, 31.5716



Tritanopia

26.6100, 16.2396, 7.0422

Trichromacy



Original Color

32.1651, 15.8386, 35.0801



Protanomaly

17.4408, 10.8912, 58.3097



Deuteranomaly

19.1541, 12.5358, 32.4205



Tritanomaly

27.7364, 15.1537, 13.7750

Monochromacy



Original Color

32.1651, 15.8386, 35.0801



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5483, 7.9074, 15.3329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1651, 15.8386, 35.0801 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(207, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 161)  
}
```

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(207, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.1651, 15.8386, 35.0801 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(207, 0, 161) }
```


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

```
.border{ border-color:rgb(207, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1651, 15.8386, 35.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 161) }
```

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

```
.background{ background-color: rgb(207, 0,  
161) }
```

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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