

Converting Colors

XYZ(31.1872, 15.4554, 36.5907)

Have a look what the booklet for
XYZ(31.1872, 15.4554, 36.5907)
contains.

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Color

**XYZ(31.1665, 15.4540,
36.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	CA0AA4
RGB	202, 10, 164
RGB Percent	79%, 4%, 64%
CMY	0.2078, 0.9606, 0.3569
CMYK	0.00, 0.95, 0.19, 0.21
HSL	312°, 91%, 42%
HSV	312°, 95%, 79%
XYZ	31.1665, 15.4540, 36.4622
YIQ	84.9640, 64.9980, 88.5980

Conversions

Conversions Part 2

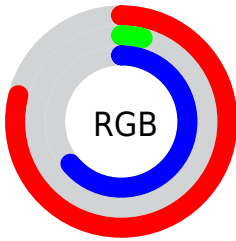
Format	Color
R_{YB}	202, 10, 164
Decimal	13240996
CIE _{Lab}	46.25, 76.47, -31.56
CIE _{LCh}	46, 82.727, 337.575
Yxy	15.4540, 0.3751, 0.1860
Android (android.graphics.Color)	4291431076 (0xFFCA0AA4)
YUV	84.9640, 38.9647, 102.6406
Hunter-Lab	39.3116, 72.7208, -27.4744

Details

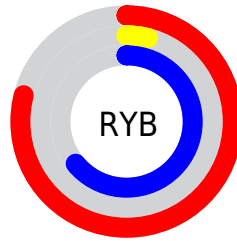
The XYZ color **31.1665, 15.4540, 36.4622** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.7805, 42.5197, 9.8592**, and the grayscale version is **8.5428, 8.9877, 9.7876**.

A 20% lighter version of the original color is **57.9405, 34.2032, 70.5659**, and **14.2523, 7.0095, 15.9310** is the 20% darker color. If you saturate the color by 10%, you get **30.8801, 15.1658, 35.4886**, and if you desaturate by 10%, it is **31.8953, 16.3242, 38.5151**.

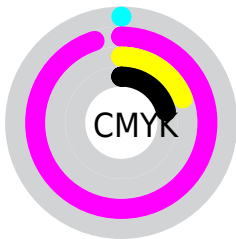
Distribution



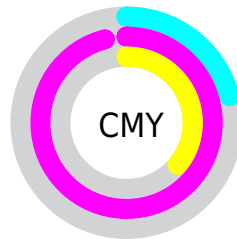
- Red (79%)
- Green (4%)
- Blue (64%)



- Red (79%)
- Yellow (4%)
- Blue (64%)



- Cyan (0%)
- Magenta (95%)
- Yellow (19%)
- Black (21%)





- Cyan (21%)
- Magenta (96%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1665, 15.4540, 36.4622 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 31.1665, 15.4540, 36.4622 by changing the saturation by 10% instead.

 31.1665, 15.4540,
36.4622


 31.1665, 15.4540,
36.4622

299.1179,
226.0980, 346.0746


 20.8781, 9.1386,
24.4989


 60.8762, 35.6477,
70.9219


 13.1469, 4.8317,
15.4885


 81.0282, 50.2948,
94.2554


 7.6075, 2.1489,
9.0125


 105.1988, 68.4879,
122.2160

 3.8945, 0.6919,
4.6524

 133.7533, 90.6115,
155.2222

 1.6426, 0.0000,
1.9897

 167.0571,
117.0499, 193.6926

 0.4199, 0.0000,
0.5489

 205.4756,

 0.0000, 0.0000,

148.1875, 238.0458

0.0000

249.3740,
184.4087, 288.7003

■ 31.1665, 15.4540,
36.4622

■ 31.1665, 15.4540,
36.4622

■ 30.8801, 15.1658,
35.4886

■ 31.8953, 16.3242,
38.5151

■ 32.9627, 17.8536,
40.7373

■ 34.4234, 20.1512,
43.1476

■ 36.3219, 23.3056,
45.7614

■ 38.6965, 27.3935,
48.5918

■ 41.5814, 32.4829,
51.6508

■ 45.0074, 38.6354,
54.9491

■ 49.0030, 45.9079,
58.4967

■ 53.5946, 54.3530,
62.3028

Harmonies

Analogous

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



24.6285, 15.4540, 70.3400



31.1665, 15.4540, 36.4622



32.6914, 15.4540, 12.2012

Triad

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



31.1665, 15.4540, 36.4622



12.9695, 15.4540, 0.0000



6.3376, 15.4540, 53.4531

Complementary

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



31.1665, 15.4540, 36.4622



21.7805, 42.5197, 9.8592

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.



4.9177, 15.4540, 22.4946



31.1665, 15.4540, 36.4622



7.8638, 15.4540, 0.9913

Square

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



31.1665, 15.4540, 36.4622



20.5048, 15.4540, 0.2287



5.3691, 15.4540, 5.9203



10.0914, 15.4540, 84.5068

Rectangle

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



31.1665, 15.4540, 36.4622



30.3224, 15.4540, 4.4775



5.3691, 15.4540, 5.9203



5.6371, 15.4540, 42.0290

Sweetspot

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



31.1670, 15.4548, 36.4625



73.5560, 60.6409, 90.5479



11.8619, 5.0452, 56.2261



15.2205, 12.0418, 18.8700



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.



31.1670, 15.4548, 36.4625



52.2018, 25.6447, 59.6541



25.5979, 13.2271, 7.1355



11.5887, 11.3642, 13.6345



19.9030, 9.7718, 23.0055



1.0517, 0.5141, 1.3180

Inverse Universe

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



31.1670, 15.4548, 36.4625



52.2018, 25.6447, 59.6541



26.0697, 44.2354, 32.4461



11.5887, 11.3642, 13.6345



19.9030, 9.7718, 23.0055



1.0517, 0.5141, 1.3180

Previews

White Background



This preview shows how the XYZ color 31.1665, 15.4540, 36.4622 looks on a white background.

Color Contrast Check

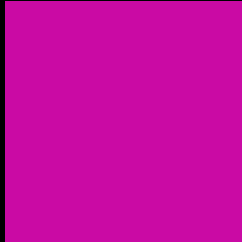
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1665, 15.4540, 36.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

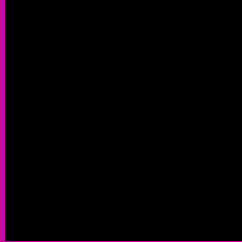
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1665, 15.4540, 36.4622

Background



This preview shows how black text looks on a background with the XYZ color 31.1665, 15.4540, 36.4622.



This preview shows how white text looks on a background with the XYZ color 31.1665, 15.4540,

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

31.1665, 15.4540, 36.4622

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.3384, 16.0263, 32.8041



Tritanopia

25.2126, 15.6796, 7.3278

Trichromacy



Original Color

31.1665, 15.4540, 36.4622



Protanomaly

16.0845, 10.4590, 58.9286



Deuteranomaly

18.6120, 12.5171, 33.7828



Tritanomaly

26.4630, 14.7466, 14.5483

Monochromacy



Original Color

31.1665, 15.4540, 36.4622



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

13.4524, 8.8302, 16.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1665, 15.4540, 36.4622 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(202, 10, 164)` looks like.

```
.text, #text, p{  
    color:rgb(202, 10, 164)  
}
```

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(202, 10, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 10, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.1665, 15.4540, 36.4622 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(202, 10, 164) }
```


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

```
.border{ border-color:rgb(202, 10, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 10, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 10, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 10, 164);  
box-shadow:4px 4px 4px 4px rgb(202, 10,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1665, 15.4540, 36.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 10, 164) }
```

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

```
.background{ background-color: rgb(202, 10,  
164) }
```

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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