

Converting Colors

XYZ(31.6272, 15.4300, 49.1960)

Have a look what the booklet for
XYZ(31.6272, 15.4300, 49.1960)
contains.

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Color

**XYZ(31.5531, 15.3828,
49.4503)**

Conversions

Conversions Part 1

Format	Color
Hex	C20BBD
RGB	194, 11, 189
RGB Percent	76%, 4%, 74%
CMY	0.2392, 0.9568, 0.2588
CMYK	0.00, 0.94, 0.03, 0.24
HSL	302°, 89%, 40%
HSV	302°, 94%, 76%
XYZ	31.5531, 15.3828, 49.4503
YIQ	86.0090, 51.9300, 94.1540

Conversions

Conversions Part 2

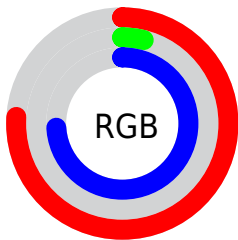
Format	Color
RYB	194, 11, 189
Decimal	12716989
CIELab	46.15, 78.30, -46.57
CIElCh	46, 91.105, 329.258
Yxy	15.3828, 0.3274, 0.1596
Android (android.graphics.Color)	4290907069 (0xFFC20BBD)
YUV	86.0090, 50.7746, 94.7081
Hunter-Lab	39.2209, 74.9661, -47.2991

Details

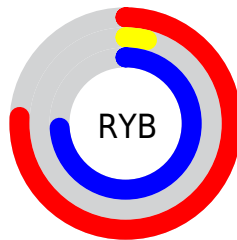
The XYZ color **31.5531, 15.3828, 49.4503** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **19.5241, 38.6929, 6.9306**, and the grayscale version is **8.7384, 9.1935, 10.0117**.

A 20% lighter version of the original color is **61.4220, 35.5534, 90.8140**, and **14.5265, 6.9835, 23.5040** is the 20% darker color. If you saturate the color by 10%, you get **31.4011, 15.1305, 49.2385**, and if you desaturate by 10%, it is **31.9665, 16.1169, 49.8727**.

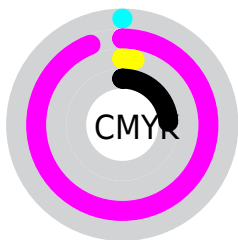
Distribution



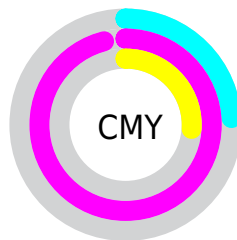
- Red (76%)
- Green (4%)
- Blue (74%)



- Red (76%)
- Yellow (4%)
- Blue (74%)



- Cyan (0%)
- Magenta (94%)
- Yellow (3%)
- Black (24%)





- Cyan (24%)
- Magenta (96%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5531, 15.3828, 49.4503 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 31.5531, 15.3828, 49.4503 by changing the saturation by 10% instead.

 31.5531, 15.3828,
49.4503


 31.5531, 15.3828,
49.4503


300.8600,
225.6717, 401.1857

 21.1743, 9.0885,
34.6087


 61.4798, 35.5233,
90.7478

 13.3646, 4.7989,
23.0805


 81.7583, 50.1383,
118.0407


 7.7588, 2.1298,
14.4471


 106.0675, 68.2957,
150.3212

 3.9915, 0.6813,
8.2900

 134.7726, 90.3798,
188.0078

 1.6973, 0.0000,
4.1906

 168.2391,
116.7751, 231.5190

 0.4546, 0.0000,
1.7305

 206.8322,

 0.0000, 0.0000,

147.8659, 281.2734

0.3815

250.9174,
184.0366, 337.6894

■ 0.0000, 0.0000,
0.0000

■ 31.5531, 15.3828,
49.4503

■ 31.5531, 15.3828,
49.4503

■ 31.4011, 15.1305,
49.2385

■ 31.9665, 16.1169,
49.8727

■ 32.6825, 17.4561,
50.3969

■ 33.7494, 19.4971,
51.0391

■ 35.2070, 22.3189,
51.8125

■ 37.0895, 25.9902,
52.7287

■ 39.4274, 30.5721,
53.7977

■ 42.2485, 36.1201,
55.0288

■ 45.5783, 42.6850,
56.4305

■ 49.4406, 50.3146,
58.0108

Harmonies

Analogous

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



23.1899, 15.3828, 88.4950



31.5531, 15.3828, 49.4503



35.1822, 15.3828, 17.3085

Triad

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



31.5531, 15.3828, 49.4503



14.8149, 15.3828, 0.0000



5.0866, 15.3828, 47.5046

Complementary

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



31.5531, 15.3828, 49.4503



19.5241, 38.6929, 6.9306

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.



4.2028, 15.3828, 16.2022



31.5531, 15.3828, 49.4503



8.4752, 15.3828, 0.0065

Square

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



31.5531, 15.3828, 49.4503



23.6478, 15.3828, 0.0890



5.1828, 15.3828, 3.0277



8.2448, 15.3828, 86.8276

Rectangle

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



31.5531, 15.3828, 49.4503



33.7068, 15.3828, 6.2411



5.1828, 15.3828, 3.0277



4.5763, 15.3828, 35.1590

Sweetspot

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



31.5537, 15.3835, 49.4506



74.3244, 61.0736, 98.7401



10.0399, 4.2290, 51.3267



15.7953, 12.4290, 21.4120



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.



31.5537, 15.3835, 49.4506



56.8737, 27.4058, 89.1199



24.6427, 12.6191, 13.0577



10.4850, 10.2426, 12.6447



20.6503, 9.9499, 32.4000



0.8961, 0.4314, 1.4200

Inverse Universe

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



31.5537, 15.3835, 49.4506



56.8737, 27.4058, 89.1199



22.0092, 39.6869, 20.0170



10.4850, 10.2426, 12.6447



20.6503, 9.9499, 32.4000



0.8961, 0.4314, 1.4200

Previews

White Background



This preview shows how the XYZ color 31.5531, 15.3828, 49.4503 looks on a white background.

Color Contrast Check

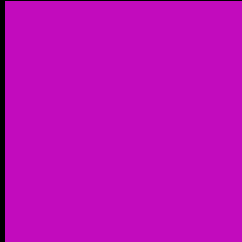
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5531, 15.3828, 49.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

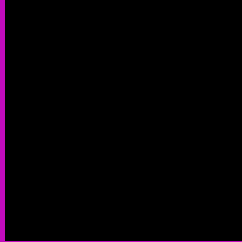
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.5531, 15.3828, 49.4503

Background



This preview shows how black text looks on a background with the XYZ color 31.5531, 15.3828, 49.4503.



This preview shows how white text looks on a background with the XYZ color 31.5531, 15.3828,

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

31.5531, 15.3828, 49.4503

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.3928, 15.9609, 44.3363



Tritanopia

23.4925, 15.6786, 9.3775

Trichromacy



Original Color

31.5531, 15.3828, 49.4503



Protanomaly

16.9261, 10.7784, 64.1391



Deuteranomaly

18.1620, 12.1226, 45.6386



Tritanomaly

25.1117, 14.3768, 19.2208

Monochromacy



Original Color

31.5531, 15.3828, 49.4503



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.5966, 8.9180, 19.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5531, 15.3828, 49.4503 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(194, 11, 189)` looks like.

```
.text, #text, p{  
    color:rgb(194, 11, 189)  
}
```

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(194, 11, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 11, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.5531, 15.3828, 49.4503 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(194, 11, 189) }
```


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

```
.border{ border-color:rgb(194, 11, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 11, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 11, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 11, 189);  
box-shadow:4px 4px 4px 4px rgb(194, 11,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5531, 15.3828, 49.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 11, 189) }
```

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

```
.background{ background-color: rgb(194, 11,  
189) }
```

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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