

Converting Colors

XYZ(31.2447, 15.1001, 46.9665)

Have a look what the booklet for
XYZ(31.2447, 15.1001, 46.9665)
contains.

XYZ(31.2626, 15.1049, 47.1668)	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(31.2626, 15.1049,
47.1668)**

Conversions

Conversions Part 1

Format	Color
Hex	C300B9
RGB	195, 0, 185
RGB Percent	76%, 0%, 73%
CMY	0.2353, 0.9999, 0.2745
CMYK	0.00, 1.00, 0.05, 0.24
HSL	303°, 100%, 38%
HSV	303°, 100%, 76%
XYZ	31.2626, 15.1049, 47.1668
YIQ	79.3950, 56.8350, 98.8750

Conversions

Conversions Part 2

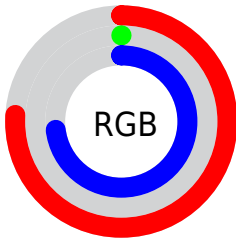
Format	Color
R_{YB}	195, 0, 185
Decimal	12779705
CIE _{Lab}	45.78, 78.86, -44.82
CIE _{LCh}	46, 90.705, 330.391
Yxy	15.1049, 0.3342, 0.1615
Android (android.graphics.Color)	4290969785 (0xFFC300B9)
YUV	79.3950, 52.0633, 101.3856
Hunter-Lab	38.8650, 75.5697, -44.7491

Details

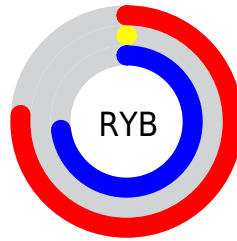
The XYZ color **31.2626, 15.1049, 47.1668** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **19.5706, 39.0527, 6.7944**, and the grayscale version is **7.4062, 7.7919, 8.4854**.

A 20% lighter version of the original color is **60.9232, 34.9831, 87.5458**, and **14.2501, 6.8729, 22.0483** is the 20% darker color. If you saturate the color by 10%, you get **31.2627, 15.1050, 47.1662**, and if you desaturate by 10%, it is **31.6108, 15.6312, 47.8058**.

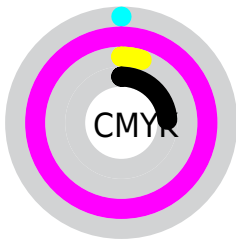
Distribution



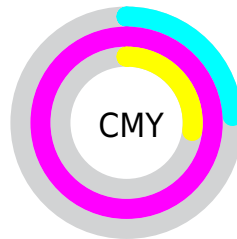
- Red (76%)
- Green (0%)
- Blue (73%)



- Red (76%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2626, 15.1049, 47.1668 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 31.2626, 15.1049, 47.1668 by changing the saturation by 10% instead.

 31.2626, 15.1049,
47.1668

 31.2626, 15.1049,
47.1668


299.5516,
224.0003, 391.8930


 20.9517, 8.8930,
32.8122


 61.0263, 35.0371,
87.3151

 13.2010, 4.6715,
21.7127


 81.2098, 49.5262,
113.9460


 7.6450, 2.0558,
13.4497


 105.4149, 67.5432,
145.5060

 3.9185, 0.6396,
7.6046

 134.0070, 89.4725,
182.4138

 1.6562, 0.0000,
3.7588

 167.3513,
115.6985, 225.0879

 0.4286, 0.0000,
1.4940

 205.8133,

 0.0000, 0.0000,

146.6055, 273.9467

0.2135

249.7583,
182.5780, 329.4089

■ 0.0000, 0.0000,
0.0000

■ 31.2626, 15.1049,
47.1668

■ 31.2626, 15.1049,
47.1668

■ 31.2627, 15.1050,
47.1662

■ 31.6108, 15.6312,
47.8058

■ 32.2021, 16.6430,
48.5293

■ 33.1229, 18.3128,
49.3664

■ 34.4178, 20.7292,
50.3319

■ 36.1240, 23.9674,
51.4382

■ 38.2747, 28.0932,
52.6963

■ 40.8993, 33.1657,
54.1162

■ 44.0251, 39.2392,
55.7067

■ 47.6769, 46.3637,
57.4764

Harmonies

Analogous

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



23.1313, 15.1049, 85.8338



31.2626, 15.1049, 47.1668



34.5924, 15.1049, 16.1619

Triad

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



31.2626, 15.1049, 47.1668



14.2570, 15.1049, 0.0000



5.0557, 15.1049, 48.1754

Complementary

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



31.2626, 15.1049, 47.1668



19.5706, 39.0527, 6.7944

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.



4.1158, 15.1049, 16.7348



31.2626, 15.1049, 47.1668



8.1402, 15.1049, 0.0479

Square

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



31.2626, 15.1049, 47.1668



22.8940, 15.1049, 0.0046



5.0060, 15.1049, 3.1964



8.2595, 15.1049, 86.6986

Rectangle

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



31.2626, 15.1049, 47.1668



32.9669, 15.1049, 5.7211



5.0060, 15.1049, 3.1964



4.5284, 15.1049, 35.8596

Sweetspot

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



31.2632, 15.1056, 47.1671



73.0051, 58.9238, 96.7932



9.9731, 4.0039, 51.8774



15.5253, 12.0093, 20.9506



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.



31.2632, 15.1056, 47.1671



55.9623, 27.0412, 84.3203



24.2580, 12.3035, 10.2781



10.4743, 10.2383, 12.5880



20.3286, 9.8212, 30.7064



0.8853, 0.4271, 1.3634

Inverse Universe

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



31.2632, 15.1056, 47.1671



55.9623, 27.0412, 84.3203



22.1834, 40.0979, 20.5531



10.4743, 10.2383, 12.5880



20.3286, 9.8212, 30.7064



0.8853, 0.4271, 1.3634

Previews

White Background



This preview shows how the XYZ color 31.2626, 15.1049, 47.1668 looks on a white background.

Color Contrast Check

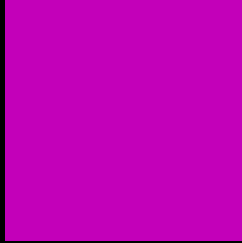
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2626, 15.1049, 47.1668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

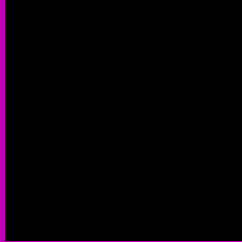
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2626, 15.1049, 47.1668

Background



This preview shows how black text looks on a background with the XYZ color 31.2626, 15.1049, 47.1668.



This preview shows how white text looks on a background with the XYZ color 31.2626, 15.1049,

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

31.2626, 15.1049, 47.1668

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.1964, 15.7444, 42.2297



Tritanopia

23.4893, 15.4913, 8.7733

Trichromacy



Original Color

31.2626, 15.1049, 47.1668



Protanomaly

16.4235, 10.1770, 62.7268



Deuteranomaly

17.8338, 11.5166, 43.4025



Tritanomaly

24.8684, 13.9063, 17.8965

Monochromacy



Original Color

31.2626, 15.1049, 47.1668



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2958, 7.6542, 17.9689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2626, 15.1049, 47.1668 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(195, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 185)  
}
```

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(195, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.2626, 15.1049, 47.1668 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(195, 0, 185) }
```


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

```
.border{ border-color:rgb(195, 0, 185) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2626, 15.1049, 47.1668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 185) }
```

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

```
.background{ background-color: rgb(195, 0,  
185) }
```

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