

Converting Colors

XYZ(29.8320, 15.3473, 47.9135)

Have a look what the booklet for
XYZ(29.8320, 15.3473, 47.9135)
contains.

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Color

**XYZ(29.7742, 15.3074,
47.8397)**

Conversions

Conversions Part 1

Format	Color
Hex	BA25BA
RGB	186, 37, 186
RGB Percent	73%, 15%, 73%
CMY	0.2706, 0.8549, 0.2706
CMYK	0.00, 0.80, 0.00, 0.27
HSL	300°, 67%, 44%
HSV	300°, 80%, 73%
XYZ	29.7742, 15.3074, 47.8397
YIQ	98.5370, 40.9750, 77.9270

Conversions

Conversions Part 2

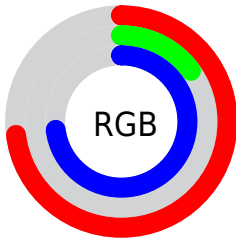
Format	Color
R_{YB}	186, 37, 186
Decimal	12199354
CIE _{Lab}	46.05, 72.11, -45.06
CIE _{LCh}	46, 85.029, 328.000
Yxy	15.3074, 0.3204, 0.1647
Android (android.graphics.Color)	4290389434 (0xFFBA25BA)
YUV	98.5370, 43.1193, 76.7051
Hunter-Lab	39.1247, 67.3718, -45.1096

Details

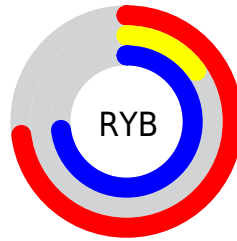
The XYZ color **29.7742, 15.3074, 47.8397** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.6565, 35.6455, 7.6480**, and the grayscale version is **11.6330, 12.2388, 13.3281**.

A 20% lighter version of the original color is **58.9351, 35.5666, 88.5528**, and **13.0669, 6.2551, 22.3485** is the 20% darker color. If you saturate the color by 10%, you get **29.3360, 14.4304, 47.6937**, and if you desaturate by 10%, it is **30.5083, 16.7750, 48.0846**.

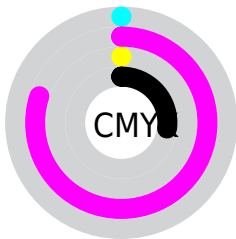
Distribution



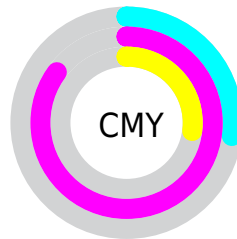
- Red (73%)
- Green (15%)
- Blue (73%)



- Red (73%)
- Yellow (15%)
- Blue (73%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (27%)




- Cyan (27%)
- Magenta (85%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7742, 15.3074, 47.8397 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 29.7742, 15.3074, 47.8397 by changing the saturation by 10% instead.

 29.7742, 15.3074,
47.8397


 29.7742, 15.3074,
47.8397


292.7793,
225.2194, 394.6468


 19.8145, 9.0354,
33.3409


 58.6940, 35.3916,
88.3287


 12.3677, 4.7643,
22.1145


 78.3848, 49.9725,
115.1560

 7.0686, 2.1096,
13.7419


 102.0500, 68.0919,
146.9299

 3.5518, 0.6700,
7.8047

 130.0549, 90.1341,
184.0689

 1.4518, 0.0000,
3.8842

 162.7649,
116.4836, 226.9915

 0.2927, 0.0000,
1.5621

 200.5454,

 0.0000, 0.0000,

147.5247, 276.1164

0.2635

243.7618,
183.6418, 331.8619

■ 0.0000, 0.0000,
0.0000

■ 29.7742, 15.3074,
47.8397

■ 29.7742, 15.3074,
47.8397

■ 29.3360, 14.4304,
47.6937

■ 30.5083, 16.7750,
48.0846

■ 29.1130, 13.9844,
47.6193

■ 31.5757, 18.9099,
48.4404

■ 33.0106, 21.7796,
48.9188

■ 34.8422, 25.4428,
49.5294

■ 37.0969, 29.9521,
50.2810

■ 39.7988, 35.3559,
51.1817

■ 42.9702, 41.6987,
52.2389

■ 46.6319, 49.0220,
53.4595

■ 50.8034, 57.3652,
54.8501

Harmonies

Analogous

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



22.0842, 15.3074, 82.1364



29.7742, 15.3074, 47.8397



33.2890, 15.3074, 18.0927

Triad

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



29.7742, 15.3074, 47.8397



15.0388, 15.3074, 0.0000



5.4148, 15.3074, 43.1507

Complementary

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



29.7742, 15.3074, 47.8397



18.6565, 35.6455, 7.6480

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.



4.6211, 15.3074, 15.3185



29.7742, 15.3074, 47.8397



8.9588, 15.3074, 0.3023

Square

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



29.7742, 15.3074, 47.8397



23.2105, 15.3074, 0.5098



5.6692, 15.3074, 3.2325



8.3654, 15.3074, 78.1856

Rectangle

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



29.7742, 15.3074, 47.8397



32.1380, 15.3074, 7.1560



5.6692, 15.3074, 3.2325



4.9404, 15.3074, 32.2103

Sweetspot

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



29.7748, 15.3081, 47.8400



69.9317, 59.6740, 92.0335



10.2881, 5.2623, 46.9286



15.0209, 12.3828, 20.1409



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.7748, 15.3081, 47.8400



52.8734, 25.5576, 86.3466



23.8090, 12.9218, 16.4244



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Inverse Universe

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



29.7748, 15.3081, 47.8400



52.8734, 25.5576, 86.3466



21.2196, 36.6707, 21.1448



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 29.7742, 15.3074, 47.8397 looks on a white background.

Color Contrast Check

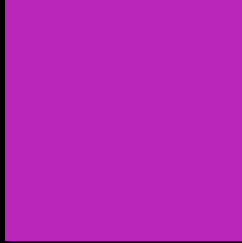
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7742, 15.3074, 47.8397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

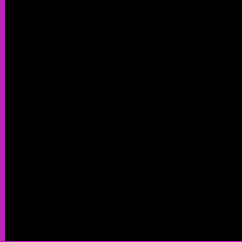
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.7742, 15.3074, 47.8397

Background



This preview shows how black text looks on a background with the XYZ color 29.7742, 15.3074, 47.8397.



This preview shows how white text looks on a background with the XYZ color 29.7742, 15.3074,

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

29.7742, 15.3074, 47.8397

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

16.0849, 15.6642, 43.2500



Tritanopia

22.0754, 15.3460, 10.1861

Trichromacy



Original Color

29.7742, 15.3074, 47.8397



Protanomaly

17.0842, 11.8170, 63.0085



Deuteranomaly

18.1415, 12.9925, 44.7317



Tritanomaly

23.8750, 14.6310, 19.6549

Monochromacy



Original Color

29.7742, 15.3074, 47.8397



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.0412, 11.6329, 22.8726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7742, 15.3074, 47.8397 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(186, 37, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 37, 186)  
}
```

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(186, 37, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 37, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.7742, 15.3074, 47.8397 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(186, 37, 186) }
```


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

```
.border{ border-color:rgb(186, 37, 186) }
```

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

Here you see how a box with a 4 pixel rgb(186, 37, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 37, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 37, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 37,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7742, 15.3074, 47.8397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 37, 186) }
```

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

```
.background{ background-color: rgb(186, 37,  
186) }
```

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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