

Converting Colors

XYZ(29.7284, 14.3071, 47.4059)

Have a look what the booklet for
XYZ(29.7284, 14.3071, 47.4059)
contains.

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Color

**XYZ(29.8492, 14.3640,
47.6537)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00BA
RGB	189, 0, 186
RGB Percent	74%, 0%, 73%
CMY	0.2588, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.02, 0.26
HSL	301°, 100%, 37%
HSV	301°, 100%, 74%
XYZ	29.8492, 14.3640, 47.6537
YIQ	77.7150, 52.9380, 97.9140

Conversions

Conversions Part 2

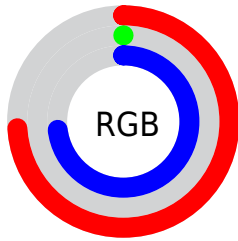
Format	Color
R_{YB}	189, 0, 186
Decimal	12386490
CIE _{Lab}	44.75, 78.01, -47.11
CIE _{LCh}	45, 91.125, 328.873
Yxy	14.3640, 0.3249, 0.1564
Android (android.graphics.Color)	4290576570 (0xFFBD00BA)
YUV	77.7150, 53.3845, 97.5969
Hunter-Lab	37.8999, 74.2584, -48.0188

Details

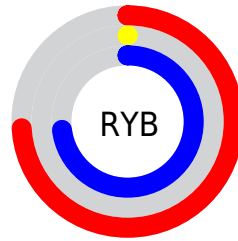
The XYZ color **29.8492, 14.3640, 47.6537** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.2147, 36.4025, 6.1532**, and the grayscale version is **7.0865, 7.4556, 8.1191**.

A 20% lighter version of the original color is **58.8170, 33.7556, 88.2095**, and **13.5249, 6.4912, 22.3699** is the 20% darker color. If you saturate the color by 10%, you get **29.8495, 14.3641, 47.6537**, and if you desaturate by 10%, it is **30.1131, 14.8401, 47.8993**.

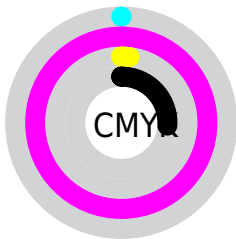
Distribution



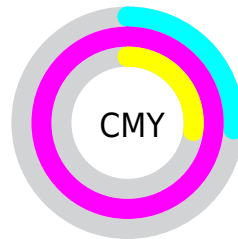
- Red (74%)
- Green (0%)
- Blue (73%)



- Red (74%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8492, 14.3640, 47.6537 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 29.8492, 14.3640, 47.6537 by changing the saturation by 10% instead.

 29.8492, 14.3640,
47.6537

 29.8492, 14.3640,
47.6537


293.1234,
219.4837, 393.8869


 19.8717, 8.3743,
33.1947

 58.8119, 33.7335,
88.0487


 12.4095, 4.3354,
22.0033


 78.5277, 47.8821,
114.8219


 7.0974, 1.8629,
13.6610


 102.2204, 65.5190,
146.5368

 3.5700, 0.5259,
7.7492

 130.2552, 87.0288,
183.6120

 1.4618, 0.0000,
3.8494

 162.9976,
112.7958, 226.4661

 0.2997, 0.0000,
1.5431

 200.8128,

 0.0000, 0.0000,

143.2043, 275.5175

0.2497

244.0663,
178.6388, 331.1850

■ 0.0000, 0.0000,
0.0000

■ 29.8492, 14.3640,
47.6537

■ 29.8492, 14.3640,
47.6537

■ 29.8495, 14.3641,
47.6537

■ 30.1131, 14.8401,
47.8993

■ 30.6010, 15.7648,
48.2199

■ 31.3951, 17.3017,
48.6429

■ 32.5364, 19.5327,
49.1819

■ 34.0595, 22.5274,
49.8485

■ 35.9949, 26.3465,
50.6528

■ 38.3700, 31.0450,
51.6041

■ 41.2098, 36.6729,
52.7107

■ 44.5377, 43.2765,
53.9802

Harmonies

Analogous

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



21.7563, 14.3640, 85.5342



29.8492, 14.3640, 47.6537



33.4362, 14.3640, 16.4565

Triad

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



29.8492, 14.3640, 47.6537



13.9348, 14.3640, 0.0000



4.5884, 14.3640, 44.7909

Complementary

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



29.8492, 14.3640, 47.6537



18.2147, 36.4025, 6.1532

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.



3.7853, 14.3640, 14.8509



29.8492, 14.3640, 47.6537



7.8618, 14.3640, 0.0000

Square

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



29.8492, 14.3640, 47.6537



22.4254, 14.3640, 0.0000



4.7252, 14.3640, 2.6059



7.5306, 14.3640, 83.0665

Rectangle

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



29.8492, 14.3640, 47.6537



32.0680, 14.3640, 5.8031



4.7252, 14.3640, 2.6059



4.1193, 14.3640, 32.9088

Sweetspot

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



29.8498, 14.3647, 47.6540



68.4910, 55.1480, 92.3315



9.1860, 3.6749, 48.3699



14.3254, 11.0612, 19.6951



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.



29.8498, 14.3647, 47.6540



53.4506, 25.7222, 85.2985



23.0303, 11.6369, 11.7430



9.9233, 9.6936, 11.9849



20.0863, 9.6657, 32.0775



0.7889, 0.3795, 1.2676

Inverse Universe

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



29.8498, 14.3647, 47.6540



53.4506, 25.7222, 85.2985



20.2416, 37.2132, 16.8267



9.9233, 9.6936, 11.9849



20.0863, 9.6657, 32.0775



0.7889, 0.3795, 1.2676

Previews

White Background



This preview shows how the XYZ color 29.8492, 14.3640, 47.6537 looks on a white background.

Color Contrast Check

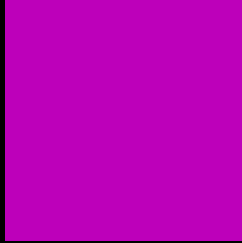
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8492, 14.3640, 47.6537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

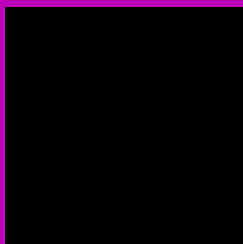
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.8492, 14.3640, 47.6537

Background



This preview shows how black text looks on a background with the XYZ color 29.8492, 14.3640, 47.6537.



This preview shows how white text looks on a background with the XYZ color 29.8492, 14.3640,

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

29.8492, 14.3640, 47.6537

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

15.4843, 15.0492, 42.6461



Tritanopia

22.1178, 14.7801, 8.8948

Trichromacy



Original Color

29.8492, 14.3640, 47.6537



Protanomaly

15.7876, 9.7157, 60.7177



Deuteranomaly

16.9469, 10.9557, 43.8693



Tritanomaly

23.4793, 13.1834, 18.1368

Monochromacy



Original Color

29.8492, 14.3640, 47.6537



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.8227, 7.4171, 17.6381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8492, 14.3640, 47.6537 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(189, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 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(189, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.8492, 14.3640, 47.6537 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(189, 0, 186) }
```


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

```
.border{ border-color:rgb(189, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8492, 14.3640, 47.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 186) }
```

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

```
.background{ background-color: rgb(189, 0,  
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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