

Converting Colors

XYZ(29.9990, 14.6715, 37.2560)

Have a look what the booklet for
XYZ(29.9990, 14.6715, 37.2560)
contains.

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Color

**XYZ(29.9089, 14.6235,
37.3226)**

Conversions

Conversions Part 1

Format	Color
Hex	C500A6
RGB	197, 0, 166
RGB Percent	77%, 0%, 65%
CMY	0.2274, 0.9999, 0.3490
CMYK	0.00, 1.00, 0.16, 0.23
HSL	309°, 100%, 39%
HSV	309°, 100%, 77%
XYZ	29.9089, 14.6235, 37.3226
YIQ	77.8270, 64.1260, 93.3900

Conversions

Conversions Part 2

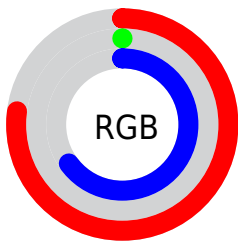
Format	Color
R_{YB}	197, 0, 166
Decimal	12910758
CIE _{Lab}	45.11, 76.66, -34.60
CIE _{LCh}	45, 84.111, 335.709
Yxy	14.6235, 0.3654, 0.1787
Android (android.graphics.Color)	4291100838 (0xFFC500A6)
YUV	77.8270, 43.4693, 104.5147
Hunter-Lab	38.2407, 72.6877, -31.0981

Details

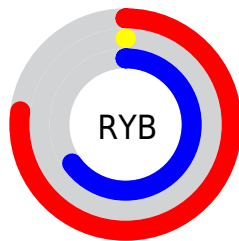
The XYZ color **29.9089, 14.6235, 37.3226** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.2145, 40.0321, 7.9600**, and the grayscale version is **7.1245, 7.4955, 8.1626**.

A 20% lighter version of the original color is **57.9972, 33.6787, 72.5511**, and **13.5185, 6.6182, 16.4845** is the 20% darker color. If you saturate the color by 10%, you get **29.9087, 14.6234, 37.3205**, and if you desaturate by 10%, it is **30.4425, 15.2296, 38.9208**.

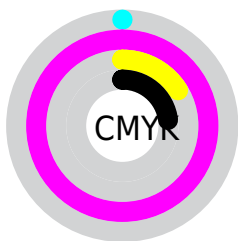
Distribution



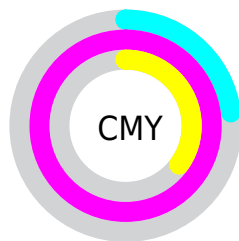
- Red (77%)
- Green (0%)
- Blue (65%)



- Red (77%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9089, 14.6235, 37.3226 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 29.9089, 14.6235, 37.3226 by changing the saturation by 10% instead.


 29.9089, 14.6235,
37.3226


 29.9089, 14.6235,
37.3226


293.3970,
221.0759, 349.9158


 19.9172, 8.5556,
25.1596


 58.9057, 34.1913,
72.2605


 12.4428, 4.4525,
15.9759


 78.6415, 48.4600,
95.8726


 7.1203, 1.9297,
9.3529


 102.3560, 66.2311,
124.1380

 3.5845, 0.5662,
4.8722

 130.4146, 87.8889,
157.4755

 1.4698, 0.0000,
2.1150

 163.1827,
113.8179, 196.3034

 0.3052, 0.0000,
0.6247

 201.0255,

 0.0000, 0.0000,

144.4025, 241.0404

0.0000

244.3085,
180.0270, 292.1050

■ 29.9089, 14.6235,
37.3226

■ 29.9089, 14.6235,
37.3226

■ 29.9087, 14.6234,
37.3205

■ 30.4425, 15.2296,
38.9208

■ 31.2316, 16.3362,
40.6383

■ 32.3644, 18.1188,
42.5045

■ 33.8863, 20.6685,
44.5350

■ 35.8358, 24.0623,
46.7428

■ 38.2469, 28.3677,
49.1394

■ 41.1499, 33.6456,
51.7352

■ 44.5726, 39.9513,
54.5396

■ 48.5406, 47.3363,
57.5614

Harmonies

Analogous

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



23.2084, 14.6235, 71.2881



29.9089, 14.6235, 37.3226



31.8020, 14.6235, 12.4225

Triad

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



29.9089, 14.6235, 37.3226



12.6163, 14.6235, 0.0000



5.6490, 14.6235, 50.1578

Complementary

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



29.9089, 14.6235, 37.3226



20.2145, 40.0321, 7.9600

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.



4.4145, 14.6235, 20.0249



29.9089, 14.6235, 37.3226



7.4865, 14.6235, 0.6632

Square

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



29.9089, 14.6235, 37.3226



20.1270, 14.6235, 0.0782



4.9530, 14.6235, 4.8239



9.1101, 14.6235, 82.0966

Rectangle

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



29.9089, 14.6235, 37.3226



29.6773, 14.6235, 4.4481



4.9530, 14.6235, 4.8239



5.0234, 14.6235, 38.8527

Sweetspot

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



29.9094, 14.6242, 37.3229



73.4317, 59.7688, 92.4286



10.6016, 4.3016, 53.0953



15.2212, 11.8877, 19.3496



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.



29.9094, 14.6242, 37.3229



53.4886, 26.1594, 66.4302



24.0997, 12.3004, 6.7293



11.0086, 10.7868, 13.0286



19.6976, 9.6286, 24.6812



0.9525, 0.4638, 1.2731

Inverse Universe

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



29.9094, 14.6242, 37.3229



53.4886, 26.1594, 66.4302



23.8671, 41.4931, 27.1942



11.0086, 10.7868, 13.0286



19.6976, 9.6286, 24.6812



0.9525, 0.4638, 1.2731

Previews

White Background



This preview shows how the XYZ color 29.9089, 14.6235, 37.3226 looks on a white background.

Color Contrast Check

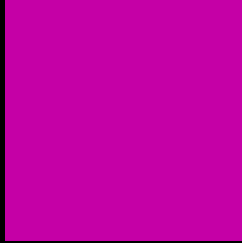
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9089, 14.6235, 37.3226 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 29.9089, 14.6235, 37.3226

Background



This preview shows how black text looks on a background with the XYZ color 29.9089, 14.6235, 37.3226.



This preview shows how white text looks on a background with the XYZ color 29.9089, 14.6235,

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

29.9089, 14.6235, 37.3226

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.6777, 15.3496, 33.5889



Tritanopia

23.9507, 15.0291, 7.2688

Trichromacy



Original Color

29.9089, 14.6235, 37.3226



Protanomaly

15.3403, 9.6563, 56.9324



Deuteranomaly

17.6792, 11.5401, 34.5534



Tritanomaly

25.0299, 13.7918, 14.4396

Monochromacy



Original Color

29.9089, 14.6235, 37.3226



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.8402, 7.4719, 15.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9089, 14.6235, 37.3226 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(197, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 166)  
}
```

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(197, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.9089, 14.6235, 37.3226 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(197, 0, 166) }
```


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

```
.border{ border-color:rgb(197, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9089, 14.6235, 37.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 166) }
```

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

```
.background{ background-color: rgb(197, 0,  
166) }
```

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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