

Converting Colors

XYZ(28.3978, 12.9506, 39.7728)

Have a look what the booklet for
XYZ(28.3978, 12.9506, 39.7728)
contains.

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Color

**XYZ(28.8365, 14.0166,
39.7137)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00AB
RGB	191, 0, 171
RGB Percent	75%, 0%, 67%
CMY	0.2510, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.10, 0.25
HSL	306°, 100%, 37%
HSV	306°, 100%, 75%
XYZ	28.8365, 14.0166, 39.7137
YIQ	76.6030, 58.9450, 93.6730

Conversions

Conversions Part 2

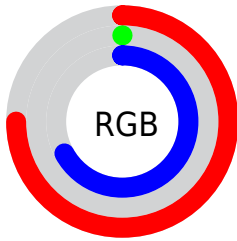
Format	Color
R _Y B	191, 0, 171
Decimal	12517547
CIE Lab	44.26, 76.25, -39.01
CIE LCh	44, 85.644, 332.906
Yxy	14.0166, 0.3493, 0.1698
Android (android.graphics.Color)	4290707627 (0xFFBF00AB)
YUV	76.6030, 46.5377, 100.3262
Hunter-Lab	37.4387, 71.9685, -36.6856

Details

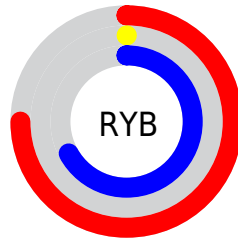
The XYZ color **28.8365, 14.0166, 39.7137** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.7578, 37.3127, 6.8765**, and the grayscale version is **6.8924, 7.2513, 7.8967**.

A 20% lighter version of the original color is **57.1385, 33.0347, 76.0379**, and **12.9429, 6.2946, 17.6723** is the 20% darker color. If you saturate the color by 10%, you get **28.8365, 14.0166, 39.7125**, and if you desaturate by 10%, it is **29.2639, 14.5636, 40.8042**.

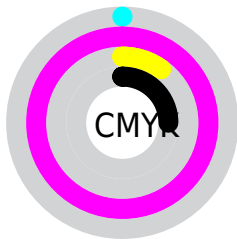
Distribution



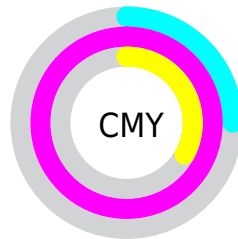
- Red (75%)
- Green (0%)
- Blue (67%)



- Red (75%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8365, 14.0166, 39.7137 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 28.8365, 14.0166, 39.7137 by changing the saturation by 10% instead.

 28.8365, 14.0166,
39.7137

 28.8365, 14.0166,
39.7137


288.4509,
217.3341, 360.4315


 19.1008, 8.1322,
27.0033


 57.2166, 33.1185,
75.9597

 11.8476, 4.1797,
17.3432


 76.5917, 47.1048,
100.3323

 6.7114, 1.7746,
10.3150


 99.9107, 64.5605,
129.4294

 3.3270, 0.4712,
5.5000

 127.5389, 85.8700,
163.6696

 1.3290, 0.0000,
2.4797

 159.8416,
111.4177, 203.4714

 0.2047, 0.0000,
0.8294

 197.1843,

 0.0000, 0.0000,

141.5880, 249.2533

0.0000

239.9323,
176.7654, 301.4338

■ 28.8365, 14.0166,
39.7137

■ 28.8365, 14.0166,
39.7137

■ 28.8365, 14.0166,
39.7125

■ 29.2639, 14.5636,
40.8042

■ 29.9243, 15.5723,
41.9865

■ 30.9013, 17.2094,
43.2887

■ 32.2367, 19.5589,
44.7248

■ 33.9665, 22.6922,
46.3069

■ 36.1217, 26.6718,
48.0453

■ 38.7305, 31.5539,
49.9495

■ 41.8187, 37.3900,
52.0282

■ 45.4101, 44.2276,
54.2893

Harmonies

Analogous

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



21.8413, 14.0166, 73.9408



28.8365, 14.0166, 39.7137



31.2948, 14.0166, 13.4268

Triad

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



28.8365, 14.0166, 39.7137



12.6652, 14.0166, 0.0000



5.0383, 14.0166, 46.3208

Complementary

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



28.8365, 14.0166, 39.7137



18.7578, 37.3127, 6.8765

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.



4.0190, 14.0166, 17.2566



28.8365, 14.0166, 39.7137



7.3686, 14.0166, 0.3077

Square

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



28.8365, 14.0166, 39.7137



20.2712, 14.0166, 0.0041



4.6968, 14.0166, 3.7179



8.1764, 14.0166, 79.5569

Rectangle

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



28.8365, 14.0166, 39.7137



29.5228, 14.0166, 4.7804



4.6968, 14.0166, 3.7179



4.4966, 14.0166, 35.1706

Sweetspot

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



28.8370, 14.0173, 39.7140



69.1184, 56.0469, 89.2855



9.6753, 3.9019, 49.5338



14.7212, 11.4507, 19.2798



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.8370, 14.0173, 39.7140



51.5919, 25.0821, 70.8404



22.8053, 11.6046, 7.9514



9.8857, 9.6786, 11.7873



18.9684, 9.2185, 26.1911



0.7555, 0.3661, 1.0919

Inverse Universe

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



28.8370, 14.0173, 39.7140



51.5919, 25.0821, 70.8404



21.7034, 38.4909, 22.3880



9.8857, 9.6786, 11.7873



18.9684, 9.2185, 26.1911



0.7555, 0.3661, 1.0919

Previews

White Background



This preview shows how the XYZ color 28.8365, 14.0166, 39.7137 looks on a white background.

Color Contrast Check

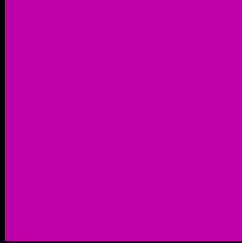
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8365, 14.0166, 39.7137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

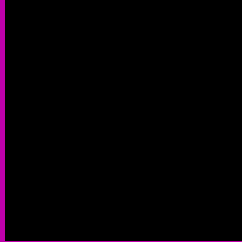
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8365, 14.0166, 39.7137

Background



This preview shows how black text looks on a background with the XYZ color 28.8365, 14.0166, 39.7137.



This preview shows how white text looks on a background with the XYZ color 28.8365, 14.0166,

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

28.8365, 14.0166, 39.7137

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

15.0667, 14.6751, 35.7567



Tritanopia

22.4359, 14.4143, 7.5610

Trichromacy



Original Color

28.8365, 14.0166, 39.7137



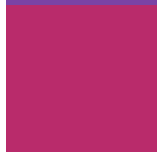
Protanomaly

15.0631, 9.4259, 56.9026



Deuteranomaly

16.8247, 10.8685, 36.8084



Tritanomaly

23.5253, 13.1036, 15.1992

Monochromacy



Original Color

28.8365, 14.0166, 39.7137



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.4388, 7.1959, 15.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8365, 14.0166, 39.7137 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(191, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 171)  
}
```

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(191, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.8365, 14.0166, 39.7137 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(191, 0, 171) }
```


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

```
.border{ border-color:rgb(191, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8365, 14.0166, 39.7137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 171) }
```

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

```
.background{ background-color: rgb(191, 0,  
171) }
```

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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