

Converting Colors

XYZ(29.1404, 14.1454, 40.9852)

Have a look what the booklet for
XYZ(29.1404, 14.1454, 40.9852)
contains.

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Color

**XYZ(29.1258, 14.1324,
41.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00AE
RGB	191, 0, 174
RGB Percent	75%, 0%, 68%
CMY	0.2510, 0.9999, 0.3176
CMYK	0.00, 1.00, 0.09, 0.25
HSL	305°, 100%, 37%
HSV	305°, 100%, 75%
XYZ	29.1258, 14.1324, 41.2371
YIQ	76.9450, 57.9820, 94.6060

Conversions

Conversions Part 2

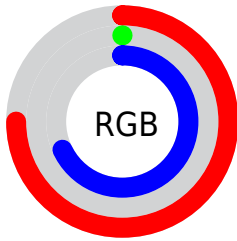
Format	Color
RYB	191, 0, 174
Decimal	12517550
CIELab	44.42, 76.65, -40.53
CIELCh	44, 86.706, 332.135
Yxy	14.1324, 0.3447, 0.1673
Android (android.graphics.Color)	4290707630 (0xFFBF00AE)
YUV	76.9450, 47.8481, 100.0262
Hunter-Lab	37.5931, 72.5076, -38.7220

Details

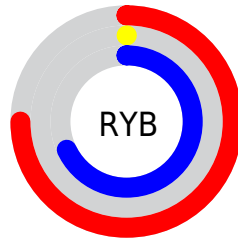
The XYZ color **29.1258, 14.1324, 41.2371** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.7327, 37.3026, 6.7444**, and the grayscale version is **6.9536, 7.3157, 7.9668**.

A 20% lighter version of the original color is **57.6390, 33.3672, 78.2655**, and **13.1241, 6.3670, 18.6264** is the 20% darker color. If you saturate the color by 10%, you get **29.1258, 14.1323, 41.2359**, and if you desaturate by 10%, it is **29.5280, 14.6693, 42.1943**.

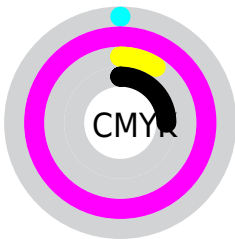
Distribution



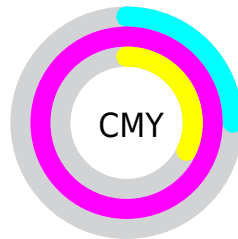
- Red (75%)
- Green (0%)
- Blue (68%)



- Red (75%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1258, 14.1324, 41.2371 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 29.1258, 14.1324, 41.2371 by changing the saturation by 10% instead.

 29.1258, 14.1324,
41.2371


 29.1258, 14.1324,
41.2371


289.7916,
218.0529, 367.0165

 19.3208, 8.2128,
28.1833


 57.6731, 33.3238,
78.3013


 12.0077, 4.2314,
18.2236


 77.1460, 47.3643,
103.1487

 6.8211, 1.8038,
10.9396


 100.5723, 64.8807,
132.7645

 3.3958, 0.4896,
5.9126

 128.3173, 86.2572,
167.5670

 1.3664, 0.0000,
2.7240

 160.7464,
111.8783, 207.9750

 0.2321, 0.0000,
0.9555

 198.2249,

 0.0000, 0.0000,

142.1284, 254.4069

0.0000

241.1182,
177.3918, 307.2812

■ 29.1258, 14.1324,
41.2371

■ 29.1258, 14.1324,
41.2371

■ 29.1258, 14.1323,
41.2359

■ 29.5280, 14.6693,
42.1943

■ 30.1623, 15.6678,
43.2392

■ 31.1124, 17.2942,
44.3998

■ 32.4203, 19.6329,
45.6901

■ 34.1216, 22.7549,
47.1221

■ 36.2476, 26.7229,
48.7061

■ 38.8264, 31.5932,
50.4517

■ 41.8838, 37.4172,
52.3674

■ 45.4435, 44.2423,
54.4612

Harmonies

Analogous

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



21.9068, 14.1324, 76.2406



29.1258, 14.1324, 41.2371



31.7936, 14.1324, 14.0002

Triad

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



29.1258, 14.1324, 41.2371



12.9388, 14.1324, 0.0000



4.9737, 14.1324, 46.2081

Complementary

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



29.1258, 14.1324, 41.2371



18.7327, 37.3026, 6.7444

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.



3.9915, 14.1324, 16.8641



29.1258, 14.1324, 41.2371



7.4854, 14.1324, 0.2215

Square

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



29.1258, 14.1324, 41.2371



20.7291, 14.1324, 0.0000



4.7204, 14.1324, 3.5098



8.0871, 14.1324, 80.4771

Rectangle

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



29.1258, 14.1324, 41.2371



30.0856, 14.1324, 4.9762



4.7204, 14.1324, 3.5098



4.4438, 14.1324, 34.8795

Sweetspot

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



29.1263, 14.1331, 41.2374



69.2917, 56.1162, 90.1984



9.6171, 3.8719, 49.5310



14.7643, 11.4680, 19.5071



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.



29.1263, 14.1331, 41.2374



52.1171, 25.2922, 73.6060



22.9196, 11.6504, 8.5531



9.8923, 9.6812, 11.8221



19.1562, 9.2937, 27.1801



0.7612, 0.3684, 1.1218

Inverse Universe

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



29.1263, 14.1331, 41.2374



52.1171, 25.2922, 73.6060



21.5243, 38.4192, 21.4444



9.8923, 9.6812, 11.8221



19.1562, 9.2937, 27.1801



0.7612, 0.3684, 1.1218

Previews

White Background



This preview shows how the XYZ color 29.1258, 14.1324, 41.2371 looks on a white background.

Color Contrast Check

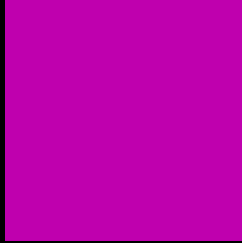
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1258, 14.1324, 41.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

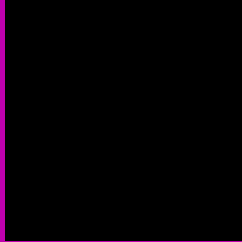
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1258, 14.1324, 41.2371

Background



This preview shows how black text looks on a background with the XYZ color 29.1258, 14.1324, 41.2371.



This preview shows how white text looks on a background with the XYZ color 29.1258, 14.1324,

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

29.1258, 14.1324, 41.2371

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

15.1768, 14.8652, 36.7197



Tritanopia

22.3258, 14.4390, 7.9136

Trichromacy



Original Color

29.1258, 14.1324, 41.2371



Protanomaly

15.1820, 9.4734, 57.5283



Deuteranomaly

16.7879, 10.9173, 37.7817



Tritanomaly

23.6859, 13.1678, 16.0451

Monochromacy



Original Color

29.1258, 14.1324, 41.2371



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.4942, 7.2180, 16.1166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1258, 14.1324, 41.2371 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 29.1258, 14.1324, 41.2371 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, 174) }
```


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

```
.border{ border-color:rgb(191, 0, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1258, 14.1324, 41.2371 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, 174) }
```

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

```
.background{ background-color: rgb(191, 0,  
174) }
```

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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