

Converting Colors

XYZ(30.2708, 14.5976, 46.9382)

Have a look what the booklet for
XYZ(30.2708, 14.5976, 46.9382)
contains.

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Color

**XYZ(30.2428, 14.5791,
47.1190)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00B9
RGB	191, 0, 185
RGB Percent	75%, 0%, 73%
CMY	0.2510, 0.9999, 0.2745
CMYK	0.00, 1.00, 0.03, 0.25
HSL	302°, 100%, 37%
HSV	302°, 100%, 75%
XYZ	30.2428, 14.5791, 47.1190
YIQ	78.1990, 54.4510, 98.0270

Conversions

Conversions Part 2

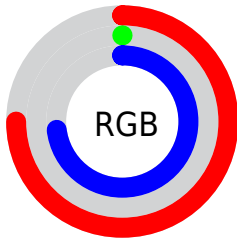
Format	Color
RYB	191, 0, 185
Decimal	12517561
CIELab	45.05, 78.19, -46.02
CIELCh	45, 90.727, 329.524
Yxy	14.5791, 0.3289, 0.1586
Android (android.graphics.Color)	4290707641 (0xFFBF00B9)
YUV	78.1990, 52.6529, 98.9265
Hunter-Lab	38.1826, 74.5627, -46.4387

Details

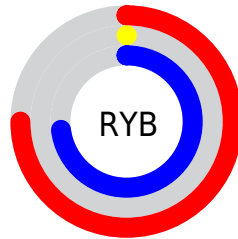
The XYZ color **30.2428, 14.5791, 47.1190** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.6643, 37.2755, 6.3841**, and the grayscale version is **7.1780, 7.5518, 8.2239**.

A 20% lighter version of the original color is **59.3831, 34.0648, 87.4497**, and **13.7696, 6.6252, 22.0258** is the 20% darker color. If you saturate the color by 10%, you get **30.2431, 14.5793, 47.1188**, and if you desaturate by 10%, it is **30.5416, 15.0746, 47.5320**.

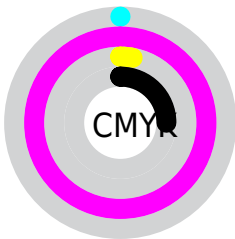
Distribution



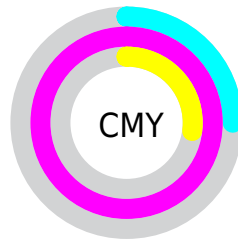
- Red (75%)
- Green (0%)
- Blue (73%)



- Red (75%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2428, 14.5791, 47.1190 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 30.2428, 14.5791, 47.1190 by changing the saturation by 10% instead.


 30.2428, 14.5791,
47.1190


 30.2428, 14.5791,
47.1190

294.9241,
220.8043, 391.6968


 20.1719, 8.5245,
32.7747


 59.4299, 34.1131,
87.2431

 12.6291, 4.4324,
21.6842


 79.2769, 48.3613,
113.8599


 7.2489, 1.9182,
13.4290


 103.1133, 66.1095,
145.4047

 3.6659, 0.5593,
7.5904

 131.3045, 87.7421,
182.2960

 1.5149, 0.0000,
3.7500

 164.2158,
113.6435, 224.9523

 0.3360, 0.0000,
1.4892

 202.2126,

 0.0000, 0.0000,

144.1980, 273.7922

0.2099

245.6603,
179.7902, 329.2342

■ 0.0000, 0.0000,
0.0000

■ 30.2428, 14.5791,
47.1190

■ 30.2428, 14.5791,
47.1190

■ 30.2431, 14.5793,
47.1188

■ 30.5416, 15.0746,
47.5320

■ 31.0707, 16.0307,
48.0229

■ 31.9136, 17.6141,
48.6198

■ 33.1124, 19.9089,
49.3366

■ 34.7028, 22.9863,
50.1853

■ 36.7160, 26.9089,
51.1763

■ 39.1802, 31.7331,
52.3189

■ 42.1210, 37.5101,
53.6217

■ 45.5623, 44.2876,
55.0927

Harmonies

Analogous

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



22.1875, 14.5791, 85.0752



30.2428, 14.5791, 47.1190



33.6975, 14.5791, 16.2179

Triad

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



30.2428, 14.5791, 47.1190



13.9765, 14.5791, 0.0000



4.7530, 14.5791, 45.9086

Complementary

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



30.2428, 14.5791, 47.1190



18.6643, 37.2755, 6.3841

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.



3.8984, 14.5791, 15.5353



30.2428, 14.5791, 47.1190



7.9263, 14.5791, 0.0000

Square

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



30.2428, 14.5791, 47.1190



22.4712, 14.5791, 0.0000



4.8116, 14.5791, 2.8306



7.7849, 14.5791, 84.0343

Rectangle

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



30.2428, 14.5791, 47.1190



32.2300, 14.5791, 5.7285



4.8116, 14.5791, 2.8306



4.2628, 14.5791, 33.9224

Sweetspot

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



30.2434, 14.5798, 47.1193



69.9370, 56.3743, 93.5961



9.4445, 3.7828, 49.5233



14.9253, 11.5324, 20.3548



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.



30.2434, 14.5798, 47.1193



54.1468, 26.1041, 84.2944



23.4326, 11.8555, 11.2540



9.9167, 9.6910, 11.9502



19.8809, 9.5835, 30.9962



0.7829, 0.3770, 1.2357

Inverse Universe

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



30.2434, 14.5798, 47.1193



54.1468, 26.1041, 84.2944



20.8689, 38.1573, 17.9932



9.9167, 9.6910, 11.9502



19.8809, 9.5835, 30.9962



0.7829, 0.3770, 1.2357

Previews

White Background



This preview shows how the XYZ color 30.2428, 14.5791, 47.1190 looks on a white background.

Color Contrast Check

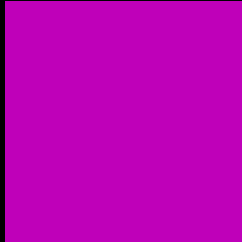
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2428, 14.5791, 47.1190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

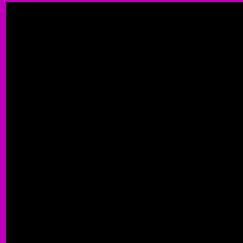
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2428, 14.5791, 47.1190

Background



This preview shows how black text looks on a background with the XYZ color 30.2428, 14.5791, 47.1190.



This preview shows how white text looks on a background with the XYZ color 30.2428, 14.5791,

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

30.2428, 14.5791, 47.1190

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.7072, 15.3329, 42.1761



Tritanopia

22.5445, 15.0042, 8.7291

Trichromacy



Original Color

30.2428, 14.5791, 47.1190



Protanomaly

15.9700, 9.8830, 61.3875



Deuteranomaly

17.2342, 11.1154, 43.3566



Tritanomaly

23.8965, 13.4053, 17.8510

Monochromacy



Original Color

30.2428, 14.5791, 47.1190



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9592, 7.4875, 17.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2428, 14.5791, 47.1190 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 30.2428, 14.5791, 47.1190 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, 185) }
```


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

```
.border{ border-color:rgb(191, 0, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2428, 14.5791, 47.1190 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, 185) }
```

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

```
.background{ background-color: rgb(191, 0,  
185) }
```

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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