

Converting Colors

XYZ(30.3818, 14.6420, 47.5226)

Have a look what the booklet for
XYZ(30.3818, 14.6420, 47.5226)
contains.

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Color

**XYZ(30.3488, 14.6215,
47.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00BA
RGB	191, 0, 186
RGB Percent	75%, 0%, 73%
CMY	0.2510, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.03, 0.25
HSL	302°, 100%, 37%
HSV	302°, 100%, 75%
XYZ	30.3488, 14.6215, 47.6771
YIQ	78.3130, 54.1300, 98.3380

Conversions

Conversions Part 2

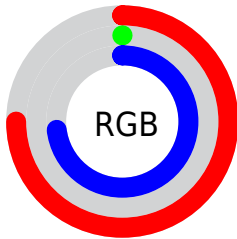
Format	Color
R_{YB}	191, 0, 186
Decimal	12517562
CIE _{Lab}	45.11, 78.34, -46.51
CIE _{LCh}	45, 91.102, 329.302
Yxy	14.6215, 0.3276, 0.1578
Android (android.graphics.Color)	4290707642 (0xFFBF00BA)
YUV	78.3130, 53.0897, 98.8265
Hunter-Lab	38.2381, 74.7553, -47.1590

Details

The XYZ color **30.3488, 14.6215, 47.6771** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.6589, 37.2733, 6.3553**, and the grayscale version is **7.1987, 7.5736, 8.2476**.

A 20% lighter version of the original color is **59.5337, 34.1251, 88.2430**, and **13.8377, 6.6525, 22.3845** is the 20% darker color. If you saturate the color by 10%, you get **30.3491, 14.6217, 47.6770**, and if you desaturate by 10%, it is **30.6374, 15.1129, 48.0362**.

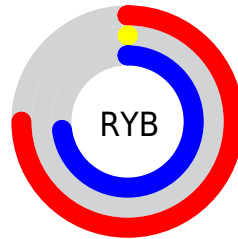
Distribution



Red (75%)

Green (0%)

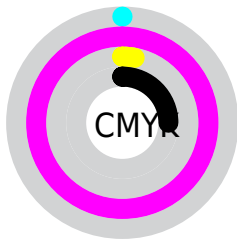
Blue (73%)



Red (75%)

Yellow (0%)

Blue (73%)

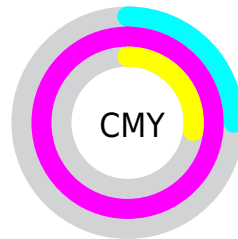


Cyan (0%)

Magenta (100%)

Yellow (3%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3488, 14.6215, 47.6771 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 30.3488, 14.6215, 47.6771 by changing the saturation by 10% instead.

 30.3488, 14.6215,
47.6771

 30.3488, 14.6215,
47.6771

295.4077,
221.0637, 393.9825

 20.2529, 8.5542,
33.2131


 59.5962, 34.1878,
88.0840

 12.6883, 4.4516,
22.0173


 79.4784, 48.4556,
114.8639


 7.2898, 1.9292,
13.6712


 103.3534, 66.2256,
146.5862

 3.6919, 0.5659,
7.7562

 131.5865, 87.8823,
183.6695

 1.5294, 0.0000,
3.8538

 164.5431,
113.8101, 226.5322

 0.3457, 0.0000,
1.5455

 202.5886,

 0.0000, 0.0000,

144.3933, 275.5929

0.2515

246.0884,
180.0164, 331.2702

■ 0.0000, 0.0000,
0.0000

■ 30.3488, 14.6215,
47.6771

■ 30.3488, 14.6215,
47.6771

■ 30.3491, 14.6217,
47.6770

■ 30.6374, 15.1129,
48.0362

■ 31.1561, 16.0649,
48.4728

■ 31.9887, 17.6441,
49.0150

■ 33.1770, 19.9347,
49.6767

■ 34.7568, 23.0079,
50.4698

■ 36.7594, 26.9262,
51.4047

■ 39.2128, 31.7461,
52.4908

■ 42.1429, 37.5188,
53.7368

■ 45.5732, 44.2919,
55.1504

Harmonies

Analogous

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



22.2162, 14.6215, 85.9101



30.3488, 14.6215, 47.6771



33.8765, 14.6215, 16.4286

Triad

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



30.3488, 14.6215, 47.6771



14.0737, 14.6215, 0.0000



4.7341, 14.6215, 45.8900

Complementary

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



30.3488, 14.6215, 47.6771



18.6589, 37.2733, 6.3553

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.



3.8905, 14.6215, 15.4226



30.3488, 14.6215, 47.6771



7.9674, 14.6215, 0.0000

Square

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



30.3488, 14.6215, 47.6771



22.6347, 14.6215, 0.0000



4.8203, 14.6215, 2.7749



7.7593, 14.6215, 84.3720

Rectangle

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



30.3488, 14.6215, 47.6771



32.4314, 14.6215, 5.7997



4.8203, 14.6215, 2.7749



4.2473, 14.6215, 33.8436

Sweetspot

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



30.3494, 14.6222, 47.6774



69.9964, 56.3981, 93.9090



9.4445, 3.7828, 49.5233



14.9402, 11.5383, 20.4330



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.



30.3494, 14.6222, 47.6774



54.3395, 26.1811, 85.3092



23.4326, 11.8555, 11.2540



9.9189, 9.6919, 11.9618



19.9496, 9.6110, 31.3581



0.7849, 0.3778, 1.2464

Inverse Universe

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



30.3494, 14.6222, 47.6774



54.3395, 26.1811, 85.3092



20.8689, 38.1573, 17.9931



9.9189, 9.6919, 11.9618



19.9496, 9.6110, 31.3581



0.7849, 0.3778, 1.2464

Previews

White Background



This preview shows how the XYZ color 30.3488, 14.6215, 47.6771 looks on a white background.

Color Contrast Check

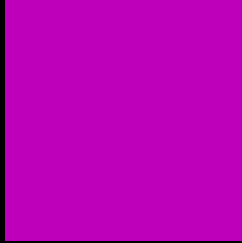
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3488, 14.6215, 47.6771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

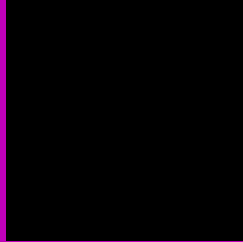
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.3488, 14.6215, 47.6771

Background



This preview shows how black text looks on a background with the XYZ color 30.3488, 14.6215, 47.6771.



This preview shows how white text looks on a background with the XYZ color 30.3488, 14.6215,

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

30.3488, 14.6215, 47.6771

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.7323, 15.3345, 42.6881



Tritanopia

22.5801, 15.0184, 8.9165

Trichromacy



Original Color

30.3488, 14.6215, 47.6771



Protanomaly

15.9700, 9.8830, 61.3875



Deuteranomaly

17.2042, 11.0883, 43.8813



Tritanomaly

23.9550, 13.4287, 18.1590

Monochromacy



Original Color

30.3488, 14.6215, 47.6771



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 30.3488, 14.6215, 47.6771 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 30.3488, 14.6215, 47.6771 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, 186) }
```


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

```
.border{ border-color:rgb(191, 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(191, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3488, 14.6215, 47.6771 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, 186) }
```

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

```
.background{ background-color: rgb(191, 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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