

Converting Colors

XYZ(30.6983, 14.7686, 49.1891)

Have a look what the booklet for
XYZ(30.6983, 14.7686, 49.1891)
contains.

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Color

**XYZ(30.6712, 14.7505,
49.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00BD
RGB	191, 0, 189
RGB Percent	75%, 0%, 74%
CMY	0.2510, 0.9999, 0.2588
CMYK	0.00, 1.00, 0.01, 0.25
HSL	301°, 100%, 37%
HSV	301°, 100%, 75%
XYZ	30.6712, 14.7505, 49.3747
YIQ	78.6550, 53.1670, 99.2710

Conversions

Conversions Part 2

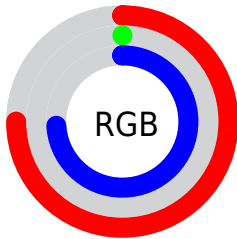
Format	Color
R_{YB}	191, 0, 189
Decimal	12517565
CIE _{Lab}	45.29, 78.77, -47.98
CIE _{LCh}	45, 92.232, 328.653
Yxy	14.7505, 0.3235, 0.1556
Android (android.graphics.Color)	4290707645 (0xFFBF00BD)
YUV	78.6550, 54.4001, 98.5266
Hunter-Lab	38.4064, 75.3383, -49.3379

Details

The XYZ color **30.6712, 14.7505, 49.3747** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.6425, 37.2668, 6.2688**, and the grayscale version is **7.2611, 7.6393, 8.3192**.

A 20% lighter version of the original color is **59.9906, 34.3078, 90.6490**, and **14.0460, 6.7358, 23.4815** is the 20% darker color. If you saturate the color by 10%, you get **30.6715, 14.7507, 49.3748**, and if you desaturate by 10%, it is **30.9283, 15.2293, 49.5677**.

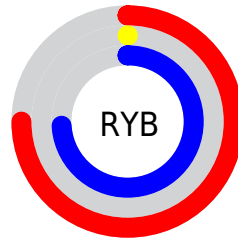
Distribution



Red (75%)

Green (0%)

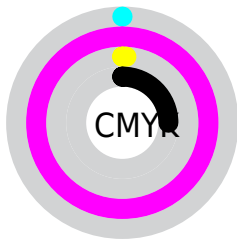
Blue (74%)



Red (75%)

Yellow (0%)

Blue (74%)

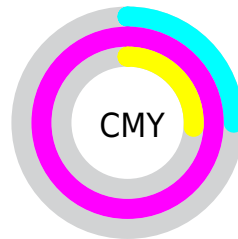


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6712, 14.7505, 49.3747 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 30.6712, 14.7505, 49.3747 by changing the saturation by 10% instead.

 30.6712, 14.7505,
49.3747


 30.6712, 14.7505,
49.3747

296.8747,
221.8511, 400.8804

 20.4992, 8.6445,
34.5491


 60.1014, 34.4149,
90.6345


 12.8688, 4.5100,
23.0350


 80.0903, 48.7420,
117.9057


 7.4146, 1.9628,
14.4138


 104.0823, 66.5783,
150.1626

 3.7714, 0.5857,
8.2670

 132.4426, 88.3082,
187.8236

 1.5736, 0.0000,
4.1761

 165.5366,
114.3160, 231.3074

 0.3751, 0.0000,
1.7224

 203.7297,

 0.0000, 0.0000,

144.9861, 281.0324

0.3760

247.3873,
180.7030, 337.4172

■ 0.0000, 0.0000,
0.0000

■ 30.6712, 14.7505,
49.3747

■ 30.6712, 14.7505,
49.3747

■ 30.6715, 14.7507,
49.3748

■ 30.9283, 15.2293,
49.5677

■ 31.4154, 16.1687,
49.8375

■ 32.2161, 17.7352,
50.2120

■ 33.3725, 20.0131,
50.7051

■ 34.9202, 23.0735,
51.3289

■ 36.8904, 26.9790,
52.0937

■ 39.3115, 31.7859,
53.0088

■ 42.2089, 37.5457,
54.0829

■ 45.6065, 44.3058,
55.3239

Harmonies

Analogous

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



22.3054, 14.7505, 88.4463



30.6712, 14.7505, 49.3747



34.4195, 14.7505, 17.0698

Triad

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



30.6712, 14.7505, 49.3747



14.3679, 14.7505, 0.0000



4.6788, 14.7505, 45.8423

Complementary

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



30.6712, 14.7505, 49.3747



18.6425, 37.2668, 6.2688

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.



3.8676, 14.7505, 15.0924



30.6712, 14.7505, 49.3747



8.0918, 14.7505, 0.0000

Square

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



30.6712, 14.7505, 49.3747



23.1302, 14.7505, 0.0000



4.8468, 14.7505, 2.6135



7.6844, 14.7505, 85.3991

Rectangle

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



30.6712, 14.7505, 49.3747



33.0420, 14.7505, 6.0158



4.8468, 14.7505, 2.6135



4.2019, 14.7505, 33.6152

Sweetspot

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



30.6718, 14.7512, 49.3750



70.1753, 56.4697, 94.8513



9.4047, 3.7623, 49.5215



14.9849, 11.5562, 20.6687



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.



30.6718, 14.7512, 49.3750



54.9259, 26.4157, 88.3967



23.5754, 11.9126, 12.0058



9.9256, 9.6945, 11.9970



20.1586, 9.6946, 32.4585



0.7910, 0.3803, 1.2788

Inverse Universe

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



30.6718, 14.7512, 49.3750



54.9259, 26.4157, 88.3967



20.7203, 38.0979, 17.2106



9.9256, 9.6945, 11.9970



20.1586, 9.6946, 32.4585



0.7910, 0.3803, 1.2788

Previews

White Background



This preview shows how the XYZ color 30.6712, 14.7505, 49.3747 looks on a white background.

Color Contrast Check

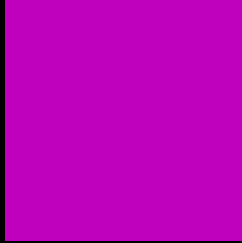
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6712, 14.7505, 49.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

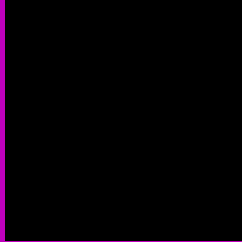
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.6712, 14.7505, 49.3747

Background



This preview shows how black text looks on a background with the XYZ color 30.6712, 14.7505, 49.3747.



This preview shows how white text looks on a background with the XYZ color 30.6712, 14.7505,

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

30.6712, 14.7505, 49.3747

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.9266, 15.5595, 44.2833



Tritanopia

22.4505, 15.0458, 9.1180

Trichromacy



Original Color

30.6712, 14.7505, 49.3747



Protanomaly

16.2193, 9.9827, 62.7000



Deuteranomaly

17.3157, 11.2025, 45.5056



Tritanomaly

23.8747, 13.4322, 18.7871

Monochromacy



Original Color

30.6712, 14.7505, 49.3747



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2161, 7.6062, 18.2770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6712, 14.7505, 49.3747 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 30.6712, 14.7505, 49.3747 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, 189) }
```


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

```
.border{ border-color:rgb(191, 0, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6712, 14.7505, 49.3747 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, 189) }
```

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

```
.background{ background-color: rgb(191, 0,  
189) }
```

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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