

Converting Colors

XYZ(31.5509, 15.1146, 53.4581)

Have a look what the booklet for
XYZ(31.5509, 15.1146, 53.4581)
contains.

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Color

**XYZ(31.4497, 15.0619,
53.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00C4
RGB	191, 0, 196
RGB Percent	75%, 0%, 77%
CMY	0.2510, 0.9999, 0.2314
CMYK	0.03, 1.00, 0.00, 0.23
HSL	298°, 100%, 38%
HSV	298°, 100%, 77%
XYZ	31.4497, 15.0619, 53.4742
YIQ	79.4530, 50.9200, 101.4480

Conversions

Conversions Part 2

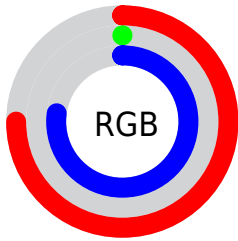
Format	Color
RYB	191, 0, 196
Decimal	12517572
CIELab	45.72, 79.80, -51.38
CIElCh	46, 94.912, 327.223
Yxy	15.0619, 0.3145, 0.1506
Android (android.graphics.Color)	4290707652 (0xFFBF00C4)
YUV	79.4530, 57.4577, 97.8267
Hunter-Lab	38.8097, 76.7319, -54.5264

Details

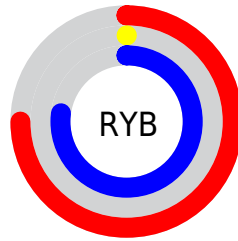
The XYZ color **31.4497, 15.0619, 53.4742** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **19.8030, 39.5125, 6.5836**, and the grayscale version is **7.4075, 7.7933, 8.4869**.

A 20% lighter version of the original color is **61.1694, 34.9134, 96.4435**, and **14.3234, 6.8286, 25.7624** is the 20% darker color. If you saturate the color by 10%, you get **31.4500, 15.0620, 53.4744**, and if you desaturate by 10%, it is **31.8196, 15.6141, 53.5615**.

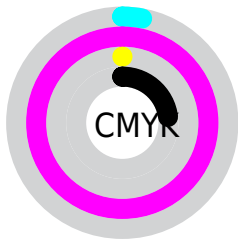
Distribution



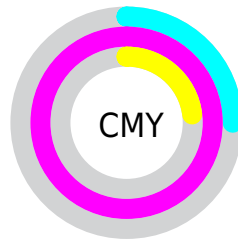
- Red (75%)
- Green (0%)
- Blue (77%)



- Red (75%)
- Yellow (0%)
- Blue (77%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)




- Cyan (25%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4497, 15.0619, 53.4742 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 31.4497, 15.0619, 53.4742 by changing the saturation by 10% instead.


 31.4497, 15.0619,
53.4742

 31.4497, 15.0619,
53.4742


300.3948,
223.7406, 417.2196

 21.0950, 8.8628,
37.7911

 61.3184, 34.9617,
96.7504

 13.3063, 4.6518,
25.5201


 81.5632, 49.4313,
125.1806


 7.7183, 2.0445,
16.2424


 105.8354, 67.4265,
158.6969

 3.9655, 0.6331,
9.5396

 134.5003, 89.3317,
197.7180

 1.6826, 0.0000,
4.9932

 167.9234,
115.5313, 242.6622

 0.4454, 0.0000,
2.1846

 206.4699,

 0.0000, 0.0000,

146.4097, 293.9482

0.6655

250.5052,
182.3514, 351.9945

■ 0.0000, 0.0000,
0.0000

■ 31.4497, 15.0619,
53.4742

■ 31.4497, 15.0619,
53.4742

■ 31.4500, 15.0620,
53.4744

■ 31.8196, 15.6141,
53.5615

■ 32.4353, 16.6579,
53.7305

■ 33.3841, 18.3673,
54.0105

■ 34.7110, 20.8322,
54.4163

■ 36.4540, 24.1286,
54.9607

■ 38.6463, 28.3232,
55.6548

■ 41.3181, 33.4759,
56.5086

■ 44.4968, 39.6417,
57.5311

■ 48.2075, 46.8711,
58.7310

Harmonies

Analogous

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



22.5315, 15.0619, 94.5535



31.4497, 15.0619, 53.4742



35.7221, 15.0619, 18.6191

Triad

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



31.4497, 15.0619, 53.4742



15.0711, 15.0619, 0.0000



4.5561, 15.0619, 45.7788

Complementary

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



31.4497, 15.0619, 53.4742



19.8030, 39.5125, 6.5836

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.



3.8173, 15.0619, 14.3644



31.4497, 15.0619, 53.4742



8.3883, 15.0619, 0.0000

Square

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



31.4497, 15.0619, 53.4742



24.3164, 15.0619, 0.0000



4.9110, 15.0619, 2.2681



7.5197, 15.0619, 87.8810

Rectangle

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



31.4497, 15.0619, 53.4742



34.5052, 15.0619, 6.5359



4.9110, 15.0619, 2.2681



4.1013, 15.0619, 33.1266

Sweetspot

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



31.4503, 15.0626, 53.4745



74.5958, 60.1519, 102.2866



10.0353, 4.1280, 52.4926



15.5035, 11.9805, 21.7453



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4503, 15.0626, 53.4745



56.9374, 27.2672, 96.8699



25.2917, 12.7469, 14.3694



10.4711, 10.2340, 12.7083



20.2196, 9.6840, 34.3601



0.8818, 0.4226, 1.4850

Inverse Universe

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



22.7928, 11.7473, 1.2103



41.2756, 21.2743, 2.1176



21.6493, 40.2438, 16.6329



10.0834, 10.0820, 10.5296



14.6500, 7.5497, 0.8028



0.6366, 0.3277, 0.0540

Previews

White Background



This preview shows how the XYZ color 31.4497, 15.0619, 53.4742 looks on a white background.

Color Contrast Check

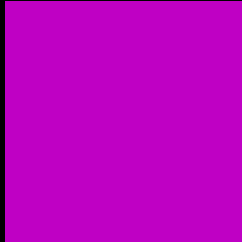
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4497, 15.0619, 53.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

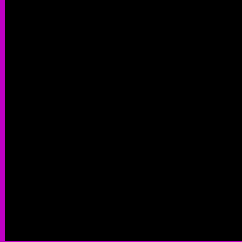
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.4497, 15.0619, 53.4742

Background



This preview shows how black text looks on a background with the XYZ color 31.4497, 15.0619, 53.4742.



This preview shows how white text looks on a background with the XYZ color 31.4497, 15.0619,

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

31.4497, 15.0619, 53.4742

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

16.1996, 15.7902, 47.5414



Tritanopia

22.5370, 15.3819, 9.7638

Trichromacy



Original Color

31.4497, 15.0619, 53.4742



Protanomaly

16.5990, 10.1346, 64.6996



Deuteranomaly

17.5147, 11.3255, 48.8399



Tritanomaly

24.2019, 13.6940, 20.1065

Monochromacy



Original Color

31.4497, 15.0619, 53.4742



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3992, 7.6794, 19.2411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4497, 15.0619, 53.4742 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.4497, 15.0619, 53.4742 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, 196) }
```


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

```
.border{ border-color:rgb(191, 0, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4497, 15.0619, 53.4742 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, 196) }
```

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

```
.background{ background-color: rgb(191, 0,  
196) }
```

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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