

Converting Colors

XYZ(31.1657, 15.4243, 30.4721)

Have a look what the booklet for
XYZ(31.1657, 15.4243, 30.4721)
contains.

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Color

**XYZ(31.3180, 15.4998,
30.6193)**

Conversions

Conversions Part 1

Format	Color
Hex	CF0097
RGB	207, 0, 151
RGB Percent	81%, 0%, 59%
CMY	0.1882, 0.9998, 0.4078
CMYK	0.00, 1.00, 0.27, 0.19
HSL	316°, 100%, 41%
HSV	316°, 100%, 81%
XYZ	31.3180, 15.4998, 30.6193
YIQ	79.1070, 74.9010, 90.8450

Conversions

Conversions Part 2

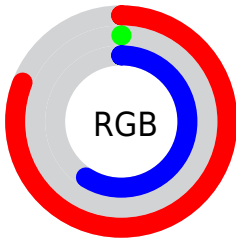
Format	Color
R_{YB}	207, 0, 151
Decimal	13566103
CIE _{Lab}	46.31, 76.76, -23.60
CIE _{LCh}	46, 80.309, 342.912
Yxy	15.4998, 0.4044, 0.2002
Android (android.graphics.Color)	4291756183 (0xFFCF0097)
YUV	79.1070, 35.4432, 112.1622
Hunter-Lab	39.3698, 73.0966, -18.5531

Details

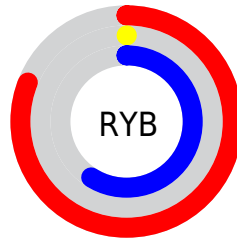
The XYZ color **31.3180, 15.4998, 30.6193** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.0281, 44.9118, 11.2016**, and the grayscale version is **7.3808, 7.7651, 8.4562**.

A 20% lighter version of the original color is **56.0005, 33.1499, 61.2046**, and **14.3329, 7.1231, 12.6761** is the 20% darker color. If you saturate the color by 10%, you get **31.3172, 15.4994, 30.6148**, and if you desaturate by 10%, it is **32.0474, 16.2130, 33.1605**.

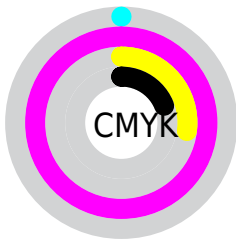
Distribution



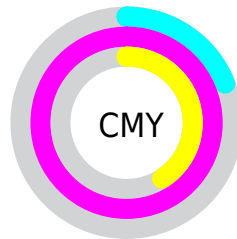
- Red (81%)
- Green (0%)
- Blue (59%)



- Red (81%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3180, 15.4998, 30.6193 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 31.3180, 15.4998, 30.6193 by changing the saturation by 10% instead.


 31.3180, 15.4998,
30.6193


 31.3180, 15.4998,
30.6193


299.8015,
226.3718, 319.0773

 20.9941, 9.1709,
20.0531


 61.1128, 35.7276,
61.7127


 13.2321, 4.8528,
12.2492


 81.3145, 50.3953,
83.0770

 7.6667, 2.1612,
6.7890


 105.5395, 68.6115,
108.8778

 3.9324, 0.6987,
3.2541

 134.1531, 90.7604,
139.5336

 1.6640, 0.0000,
1.2258

 167.5208,
117.2264, 175.4628

 0.4336, 0.0000,
0.0000

 206.0078,

 0.0000, 0.0000,

148.3941, 217.0842

0.0000

249.9796,
184.6478, 264.8162

■ 31.3180, 15.4998,
30.6193

■ 31.3180, 15.4998,
30.6193

■ 31.3172, 15.4994,
30.6148

■ 32.0474, 16.2130,
33.1605

■ 33.0800, 17.4977,
35.9107

■ 34.5120, 19.5457,
38.9036

■ 36.3952, 22.4603,
42.1577

■ 38.7735, 26.3286,
45.6891

■ 41.6854, 31.2271,
49.5119

■ 45.1654, 37.2247,
53.6389

■ 49.2450, 44.3840,
58.0819

■ 53.9537, 52.7630,
62.8520

Harmonies

Analogous

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



25.6860, 15.4998, 62.5413



31.3180, 15.4998, 30.6193



31.7319, 15.4998, 9.7536

Triad

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



31.3180, 15.4998, 30.6193



11.9720, 15.4998, 0.1097



7.0182, 15.4998, 57.9865

Complementary

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



31.3180, 15.4998, 30.6193



23.0281, 44.9118, 11.2016

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.



5.2406, 15.4998, 26.8250



31.3180, 15.4998, 30.6193



7.4418, 15.4998, 1.5638

Square

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



31.3180, 15.4998, 30.6193



18.9664, 15.4998, 0.2156



5.3667, 15.4998, 8.0195



11.1801, 15.4998, 85.0582

Rectangle

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



31.3180, 15.4998, 30.6193



28.8441, 15.4998, 3.5341



5.3667, 15.4998, 8.0195



6.1898, 15.4998, 46.9241

Sweetspot

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



31.3185, 15.5006, 30.6196



72.1546, 59.2579, 85.7034



12.8511, 5.3246, 59.3819



14.9134, 11.7646, 17.7287



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.



31.3185, 15.5006, 30.6196



50.1031, 24.8052, 48.6024



26.2729, 13.4824, 4.0498



12.1686, 11.9522, 14.1636



19.7726, 9.7819, 19.5065



1.1378, 0.5598, 1.2604

Inverse Universe

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



31.3185, 15.5006, 30.6196



50.1031, 24.8052, 48.6024



28.5461, 47.1190, 40.2591



12.1686, 11.9522, 14.1636



19.7726, 9.7819, 19.5065



1.1378, 0.5598, 1.2604

Previews

White Background



This preview shows how the XYZ color 31.3180, 15.4998, 30.6193 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

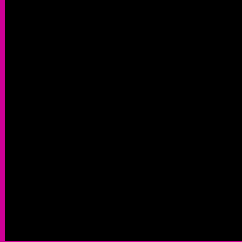
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3180, 15.4998, 30.6193

Background



This preview shows how black text looks on a background with the XYZ color 31.3180, 15.4998, 30.6193.



This preview shows how white text looks on a background with the XYZ color 31.3180, 15.4998,

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

31.3180, 15.4998, 30.6193

Protanopia

18.9935, 16.3352, 66.4419

Deuteranopia

16.4471, 16.2007, 27.4595



Tritanopia

26.3048, 15.8589, 6.2321

Trichromacy



Original Color

31.3180, 15.4998, 30.6193



Protanomaly

17.8269, 11.2502, 51.1011



Deuteranomaly

18.6287, 12.2643, 28.1735



Tritanomaly

27.3421, 14.8909, 12.0228

Monochromacy



Original Color

31.3180, 15.4998, 30.6193



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2946, 7.7367, 14.2099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3180, 15.4998, 30.6193 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(207, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 151)  
}
```

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(207, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.3180, 15.4998, 30.6193 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(207, 0, 151) }
```


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

```
.border{ border-color:rgb(207, 0, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(207, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3180, 15.4998, 30.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 151) }
```

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

```
.background{ background-color: rgb(207, 0,  
151) }
```

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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