

Converting Colors

XYZ(30.5257, 13.8992, 14.6739)

Have a look what the booklet for
XYZ(30.5257, 13.8992, 14.6739)
contains.

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Color

**XYZ(31.5150, 15.9460,
15.0525)**

Conversions

Conversions Part 1

Format	Color
Hex	DA006A
RGB	218, 0, 106
RGB Percent	85%, 0%, 42%
CMY	0.1451, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.51, 0.15
HSL	331°, 100%, 43%
HSV	331°, 100%, 85%
XYZ	31.5150, 15.9460, 15.0525
YIQ	77.2660, 95.9020, 79.1820

Conversions

Conversions Part 2

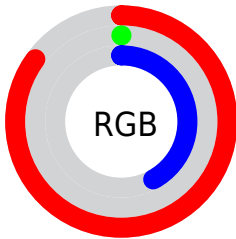
Format	Color
R_{YB}	218, 0, 106
Decimal	14286954
CIE _{Lab}	46.90, 74.93, 5.04
CIE _{LCh}	47, 75.103, 3.848
Yxy	15.9460, 0.5041, 0.2551
Android (android.graphics.Color)	4292477034 (0xFFDA006A)
YUV	77.2660, 14.1659, 123.4237
Hunter-Lab	39.9324, 70.9918, 5.6034

Details

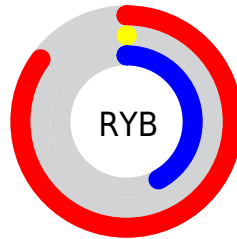
The XYZ color **31.5150, 15.9460, 15.0525** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.9989, 51.3139, 23.7706**, and the grayscale version is **7.0699, 7.4381, 8.1000**.

A 20% lighter version of the original color is **51.0669, 31.1765, 35.2244**, and **14.4997, 7.3837, 4.7986** is the 20% darker color. If you saturate the color by 10%, you get **31.5138, 15.9456, 15.0465**, and if you desaturate by 10%, it is **32.4201, 16.7624, 18.4188**.

Distribution



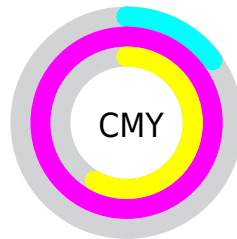
- Red (85%)
- Green (0%)
- Blue (42%)



- Red (85%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5150, 15.9460, 15.0525 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 31.5150, 15.9460, 15.0525 by changing the saturation by 10% instead.


 31.5150, 15.9460,
15.0525


 31.5150, 15.9460,
15.0525


300.6886,
229.0229, 235.3355


 21.1451, 9.4859,
8.7092


 61.4203, 36.5044,
35.6889


 13.3431, 5.0595,
4.4578


 81.6864, 51.3716,
50.8190


 7.7439, 2.2822,
1.8797


 105.9820, 69.8099,
69.7152

 3.9819, 0.7643,
0.4798

 134.6723, 92.2038,
92.7959

 1.6919, 0.0000,
0.0000

 168.1228,
118.9377, 120.4798

 0.4512, 0.0000,
0.0000

 206.6988,

 0.0000, 0.0000,

150.3959, 153.1853

0.0000

250.7656,
186.9628, 191.3310

■ 31.5150, 15.9460,
15.0525

■ 31.5150, 15.9460,
15.0525

■ 31.5138, 15.9456,
15.0465

■ 32.4201, 16.7624,
18.4188

■ 33.7238, 18.2495,
22.3070

■ 35.5339, 20.6189,
26.7662

■ 37.9117, 23.9894,
31.8291

■ 40.9092, 28.4609,
37.5249

■ 44.5721, 34.1212,
43.8803

■ 48.9416, 41.0493,
50.9199

■ 54.0555, 49.3170,
58.6668

■ 59.9486, 58.9911,
67.1428

Harmonies

Analogous

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



29.5052, 15.9460, 38.6059



31.5150, 15.9460, 15.0525



28.2068, 15.9460, 4.0247

Triad

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



31.5150, 15.9460, 15.0525



9.1678, 15.9460, 1.3318



10.2553, 15.9460, 74.0347

Complementary

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



31.5150, 15.9460, 15.0525



27.9989, 51.3139, 23.7706

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.



6.9181, 15.9460, 46.1984



31.5150, 15.9460, 15.0525



6.4290, 15.9460, 5.8233

Square

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



31.5150, 15.9460, 15.0525



14.3266, 15.9460, 0.4149



5.7431, 15.9460, 19.8975



16.0173, 15.9460, 83.9421

Rectangle

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



31.5150, 15.9460, 15.0525



23.8662, 15.9460, 1.4876



5.7431, 15.9460, 19.8975



8.8743, 15.9460, 65.8072

Sweetspot

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



31.5154, 15.9470, 15.0527



69.6146, 58.2420, 72.3283



18.9647, 8.3155, 66.9351



14.3086, 11.5227, 14.5437



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.



31.5154, 15.9470, 15.0527



44.8759, 22.7144, 21.0764



28.9141, 14.9064, 1.3545



13.3185, 13.1565, 14.9383



18.9340, 9.5747, 9.2987



1.2701, 0.6377, 0.8312

Inverse Universe

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



31.5154, 15.9470, 15.0527



44.8759, 22.7144, 21.0764



37.7268, 55.2050, 74.9968



13.3185, 13.1565, 14.9383



18.9340, 9.5747, 9.2987



1.2701, 0.6377, 0.8312

Previews

White Background



This preview shows how the XYZ color 31.5150, 15.9460, 15.0525 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 31.5150, 15.9460, 15.0525 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 31.5150, 15.9460, 15.0525

Background



This preview shows how black text looks on a background with the XYZ color 31.5150, 15.9460, 15.0525.



This preview shows how white text looks on a background with the XYZ color 31.5150, 15.9460,

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

31.5150, 15.9460, 15.0525

Protanopia

16.9108, 16.6550, 32.4604

Deuteranopia

16.8322, 16.5462, 13.6158



Tritanopia

29.2702, 16.2702, 3.7882

Trichromacy



Original Color

31.5150, 15.9460, 15.0525

Protanomaly

18.1988, 12.2133, 24.6908

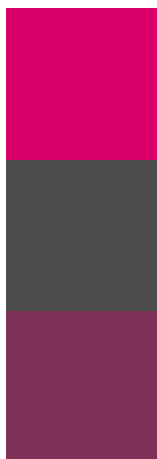
Deuteranomaly

19.3287, 12.8577, 13.5196

Tritanomaly

29.6650, 15.7644, 6.4804

Monochromacy



Original Color

31.5150, 15.9460, 15.0525

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.7619, 7.4904, 10.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5150, 15.9460, 15.0525 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(218, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 106)  
}
```

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(218, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.5150, 15.9460, 15.0525 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(218, 0, 106) }
```


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

```
.border{ border-color:rgb(218, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5150, 15.9460, 15.0525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 106) }
```

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

```
.background{ background-color: rgb(218, 0,  
106) }
```

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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