

Converting Colors

XYZ(31.2107, 15.7813, 15.3943)

Have a look what the booklet for
XYZ(31.2107, 15.7813, 15.3943)
contains.

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Color

**XYZ(31.2691, 15.8133,
15.3141)**

Conversions

Conversions Part 1

Format	Color
Hex	D9006B
RGB	217, 0, 107
RGB Percent	85%, 0%, 42%
CMY	0.1490, 0.9998, 0.5804
CMYK	0.00, 1.00, 0.51, 0.15
HSL	330°, 100%, 43%
HSV	330°, 100%, 85%
XYZ	31.2691, 15.8133, 15.3141
YIQ	77.0810, 94.9850, 79.2810

Conversions

Conversions Part 2

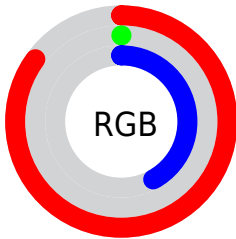
Format	Color
<code>RYB</code>	<code>217, 0, 107</code>
Decimal	<code>14221419</code>
CIELab	<code>46.73, 74.78, 4.14</code>
CIElCh	<code>47, 74.900, 3.171</code>
Yxy	<code>15.8133, 0.5011, 0.2534</code>
Android (<code>android.graphics.Color</code>)	<code>4292411499</code> (<code>0xFFD9006B</code>)
YUV	<code>77.0810, 14.7501, 122.7090</code>
Hunter-Lab	<code>39.7659, 70.7693, 5.0032</code>

Details

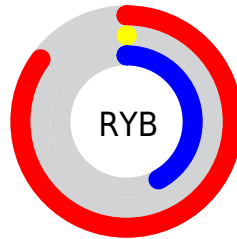
The XYZ color **31.2691, 15.8133, 15.3141** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.6305, 50.7526, 23.1057**, and the grayscale version is **7.0352, 7.4016, 8.0603**.

A 20% lighter version of the original color is **51.1526, 31.2108, 35.6760**, and **14.3332, 7.2948, 4.9276** is the 20% darker color. If you saturate the color by 10%, you get **31.2677, 15.8127, 15.3073**, and if you desaturate by 10%, it is **32.1674, 16.6240, 18.6537**.

Distribution



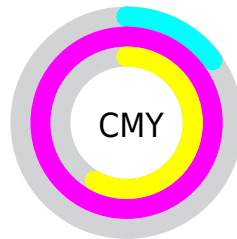
- Red (85%)
- Green (0%)
- Blue (42%)



- 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 31.2691, 15.8133, 15.3141 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 31.2691, 15.8133, 15.3141 by changing the saturation by 10% instead.

 31.2691, 15.8133,
15.3141


 31.2691, 15.8133,
15.3141


299.5809,
228.2375, 236.9655


 20.9567, 9.3921,
8.8911


 61.0365, 36.2738,
36.1533


 13.2046, 4.9978,
4.5743


 81.2221, 51.0819,
51.4066


 7.6476, 2.2460,
1.9454


 105.4295, 69.4544,
70.4404

 3.9202, 0.7449,
0.5214

 134.0241, 91.7758,
93.6732

 1.6571, 0.0000,
0.0000

 167.3712,
118.4304, 121.5235

 0.4292, 0.0000,
0.0000

 205.8361,

 0.0000, 0.0000,

149.8026, 154.4100

0.0000

249.7842,
186.2769, 192.7512

■ 31.2691, 15.8133,
15.3141

■ 31.2691, 15.8133,
15.3141

■ 31.2677, 15.8127,
15.3073

■ 32.1674, 16.6240,
18.6537

■ 33.4582, 18.0973,
22.5003

■ 35.2482, 20.4430,
26.9019

■ 37.5978, 23.7783,
31.8904

■ 40.5585, 28.2020,
37.4940

■ 44.1752, 33.8009,
43.7386

■ 48.4886, 40.6529,
50.6480

■ 53.5360, 48.8292,
58.2447

■ 59.3517, 58.3956,
66.5499

Harmonies

Analogous

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



29.1585, 15.8133, 38.9352



31.2691, 15.8133, 15.3141



28.0969, 15.8133, 4.1252

Triad

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



31.2691, 15.8133, 15.3141



9.1794, 15.8133, 1.2786



10.0681, 15.8133, 72.9305

Complementary

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



31.2691, 15.8133, 15.3141



27.6305, 50.7526, 23.1057

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.



6.8118, 15.8133, 45.1433



31.2691, 15.8133, 15.3141



6.4122, 15.8133, 5.5935

Square

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



31.2691, 15.8133, 15.3141



14.3497, 15.8133, 0.4042



5.6900, 15.8133, 19.2735



15.7316, 15.8133, 83.3258

Rectangle

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



31.2691, 15.8133, 15.3141



23.8294, 15.8133, 1.5242



5.6900, 15.8133, 19.2735



8.7173, 15.8133, 64.6558

Sweetspot

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



31.2695, 15.8142, 15.3143



69.6822, 58.2690, 72.6843



18.7732, 8.2319, 66.2448



14.3245, 11.5291, 14.6277



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.



31.2695, 15.8142, 15.3143



44.9871, 22.7588, 21.6620



28.6159, 14.7528, 1.3408



13.3223, 13.1580, 14.9584



18.9811, 9.5935, 9.5463



1.2732, 0.6389, 0.8474

Inverse Universe

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



31.2695, 15.8142, 15.3143



44.9871, 22.7588, 21.6620



37.3377, 54.6355, 74.2231



13.3223, 13.1580, 14.9584



18.9811, 9.5935, 9.5463



1.2732, 0.6389, 0.8474

Previews

White Background



This preview shows how the XYZ color 31.2691, 15.8133, 15.3141 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 31.2691, 15.8133, 15.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

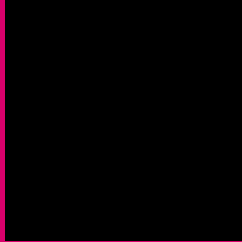
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2691, 15.8133, 15.3141

Background



This preview shows how black text looks on a background with the XYZ color 31.2691, 15.8133, 15.3141.



This preview shows how white text looks on a background with the XYZ color 31.2691, 15.8133,

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

31.2691, 15.8133, 15.3141

Protanopia

16.8564, 16.4448, 33.2961

Deuteranopia

16.7265, 16.4862, 13.8559



Tritanopia

29.0134, 16.1911, 3.7865

Trichromacy



Original Color

31.2691, 15.8133, 15.3141



Protanomaly

18.1684, 12.1811, 25.4384



Deuteranomaly

19.1750, 12.7729, 13.7667



Tritanomaly

29.3996, 15.6243, 6.6205

Monochromacy



Original Color

31.2691, 15.8133, 15.3141



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 31.2691, 15.8133, 15.3141 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(217, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 107)  
}
```

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(217, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 31.2691, 15.8133, 15.3141 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(217, 0, 107) }
```


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

```
.border{ border-color:rgb(217, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2691, 15.8133, 15.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 107) }
```

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

```
.background{ background-color: rgb(217, 0,  
107) }
```

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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