

Converting Colors

XYZ(31.7117, 15.9807, 18.0177)

Have a look what the booklet for
XYZ(31.7117, 15.9807, 18.0177)
contains.

XYZ(31.7677, 16.0127, 17.9394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7677, 16.0127,
17.9394)**

Conversions

Conversions Part 1	
Format	Color
Hex	D90074
RGB	217, 0, 116
RGB Percent	85%, 0%, 45%
CMY	0.1490, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.47, 0.15
HSL	328°, 100%, 43%
HSV	328°, 100%, 85%
XYZ	31.7677, 16.0127, 17.9394
YIQ	78.1070, 92.0960, 82.0800

Conversions

Conversions Part 2

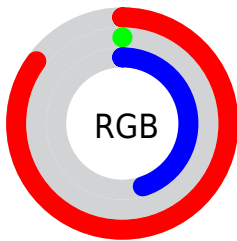
Format	Color
RYB	217, 0, 116
Decimal	14221428
CIELab	46.99, 75.48, -1.04
CIELCh	47, 75.485, 359.213
Yxy	16.0127, 0.4834, 0.2437
Android (android.graphics.Color)	4292411508 (0xFFD90074)
YUV	78.1070, 18.6812, 121.8092
Hunter-Lab	40.0159, 71.6794, 1.4310

Details

The XYZ color **31.7677, 16.0127, 17.9394** 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 **27.1646, 50.5664, 20.6521**, and the grayscale version is **7.2201, 7.5961, 8.2721**.

A 20% lighter version of the original color is **52.0490, 31.5693, 40.3960**, and **14.5610, 7.3859, 6.1270** is the 20% darker color. If you saturate the color by 10%, you get **31.7664, 16.0122, 17.9330**, and if you desaturate by 10%, it is **32.6698, 16.8248, 21.2989**.

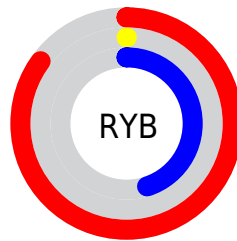
Distribution



Red (85%)

Green (0%)

Blue (45%)



Red (85%)

Yellow (0%)

Blue (45%)

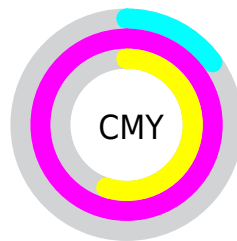


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7677, 16.0127, 17.9394 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 31.7677, 16.0127, 17.9394 by changing the saturation by 10% instead.


 31.7677, 16.0127,
17.9394


 31.7677, 16.0127,
17.9394


301.8238,
229.4166, 252.7539


 21.3388, 9.5331,
10.7375


 61.8144, 36.6203,
40.7466


 13.4858, 5.0905,
5.7787


 82.1629, 51.5170,
57.1889


 7.8432, 2.3005,
2.6444


 106.5487, 69.9883,
77.5485

 4.0457, 0.7740,
0.9152

 135.3371, 92.4186,
102.2439

 1.7280, 0.0000,
0.0000

 168.8934,
119.1921, 131.6936

 0.4737, 0.0000,
0.0000


 207.5831,


 0.0000, 0.0000,


150.6934, 166.3161

0.0000


251.7714,
187.3068, 206.5300


 31.7677, 16.0127,
17.9394


 31.7677, 16.0127,
17.9394


 31.7664, 16.0122,
17.9330

 32.6698, 16.8248,
21.2989

 33.9539, 18.2954,
25.1106

 35.7261, 20.6339,
29.4191

 38.0464, 23.9573,
34.2531

 40.9654, 28.3642,
39.6382

■ 44.5278, 33.9413,
45.5973

■ 48.7738, 40.7661,
52.1518

■ 53.7400, 48.9098,
59.3216

■ 59.4604, 58.4379,
67.1253

Harmonies

Analogous

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



28.9365, 16.0127, 43.4482



31.7677, 16.0127, 17.9394



29.2050, 16.0127, 5.0304

Triad

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



31.7677, 16.0127, 17.9394



9.8269, 16.0127, 1.0612



9.6029, 16.0127, 71.0255

Complementary

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



31.7677, 16.0127, 17.9394



27.1646, 50.5664, 20.6521

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.



6.6112, 16.0127, 41.8772



31.7677, 16.0127, 17.9394



6.7118, 16.0127, 4.6620

Square

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



31.7677, 16.0127, 17.9394



15.3947, 16.0127, 0.3874



5.7284, 16.0127, 16.9404



15.0458, 16.0127, 84.9015

Rectangle

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



31.7677, 16.0127, 17.9394



25.1091, 16.0127, 1.8539



5.7284, 16.0127, 16.9404



8.3421, 16.0127, 61.9864

Sweetspot

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



31.7681, 16.0136, 17.9396



70.0972, 58.4350, 74.8696



17.5269, 7.5894, 66.1867



14.4227, 11.5683, 15.1444



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.



31.7681, 16.0136, 17.9396



45.7045, 23.0458, 25.4397



28.6755, 14.7766, 1.6542



13.3455, 13.1673, 15.0806



19.2836, 9.7145, 11.1397



1.2927, 0.6467, 0.9501

Inverse Universe

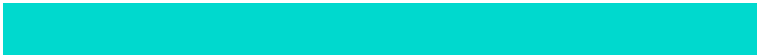
The Inverse Universe completely reimagines the original color for something new.



31.7681, 16.0136, 17.9396



45.7045, 23.0458, 25.4397



35.9725, 54.0896, 67.0339



13.3455, 13.1673, 15.0806



19.2836, 9.7145, 11.1397



1.2927, 0.6467, 0.9501

Previews

White Background



This preview shows how the XYZ color 31.7677, 16.0127, 17.9394 looks on a white background.

Color Contrast Check

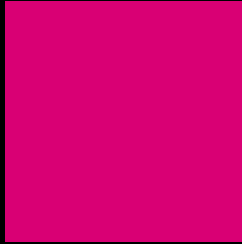
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7677, 16.0127, 17.9394 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 31.7677, 16.0127, 17.9394

Background



This preview shows how black text looks on a background with the XYZ color 31.7677, 16.0127, 17.9394.



This preview shows how white text looks on a background with the XYZ color 31.7677, 16.0127,

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

31.7677, 16.0127, 17.9394

Protanopia

17.4885, 16.8113, 38.8824

Deuteranopia

16.9822, 16.7254, 16.2432



Tritanopia

29.2216, 16.4554, 4.3254

Trichromacy



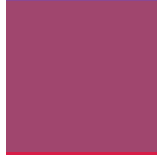
Original Color

31.7677, 16.0127, 17.9394



Protanomaly

18.2460, 12.1336, 29.3973



Deuteranomaly

19.5018, 12.9797, 16.2293



Tritanomaly

29.6334, 15.7937, 7.6175

Monochromacy



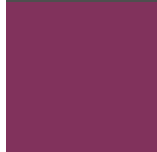
Original Color

31.7677, 16.0127, 17.9394



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.1256, 7.7210, 10.9764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7677, 16.0127, 17.9394 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 31.7677, 16.0127, 17.9394 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, 116) }
```


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

```
.border{ border-color:rgb(217, 0, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7677, 16.0127, 17.9394 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, 116) }
```

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

```
.background{ background-color: rgb(217, 0,  
116) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor